

19991217.qrp v01_n672.qrl.991217

Date: Fri, 17 Dec 1999 19:03:10 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1672

QRP-L Digest 1672

Topics covered in this issue include:

- 1) [58240] mfj tuner info
by K4NK@aol.com
- 2) [58241] Re: DSW-40 - a good first timer kit?
by "Richard Matthews" <prm@hiwaay.net>
- 3) [58242] N/T+ FOX: KB9TIQ
by "Terry Bassett" <mutabut@net66.com>
- 4) [58243] Re: DXCC ON 160 & Low 160 dipole vs vert...
by S LYON <sslyon@worldnet.att.net>
- 5) [58244] N5EN is a new Extra! Steve is now ex - KD5AIJ
by Tom Palmer <n1tp@worldnet.att.net>
- 6) [58245]
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 7) [58246] Re: IS QRP DXCC POSSIBLE ON 160?
by Gary Hembree <gary.hembree@asu.edu>
- 8) [58247] Re: DSW-40 kit for beginners
by "Bruce Prior" <n7rr@hotmail.com>
- 9) [58248] Re: 2000 ARRL Leather Bound Radio Amateurs Handbook
by david fouchey <dafouchey@home.com>
- 10) [58249] Red Hot Radio - 40 Meter rig
by Joel Malman <malman@world.std.com>
- 11) [58250] Re: DSW-40 kit for beginners
by "Richard Matthews" <prm@hiwaay.net>
- 12) [58251] Re: N5EN is a new Extra! Steve is now ex - KD5AIJ
by "Ed Manuel (N5EM)" <n5em@flash.net>
- 13) [58252] Re: Computer pwr supplies
by "Dan W. Dooley" <dandooley@pipeline.com>
- 14) [58253] Re: Red Hot Radio - 40 Meter rig
by dave_epps@juno.com
- 15) [58254] Receivers: CW Filters, More Comments from the Doctor
by "James R. Duffey" <jamesd1@flash.net>
- 16) [58255] Re: Special Character Test...
by Oscar A Hoyt <k5ubs@juno.com>
- 17) [58256] Re: Good kit to build (summary)
by "Dan W. Dooley" <dandooley@pipeline.com>
- 18) [58257] FOX: Revised Preliminary Hound Log
by "Dennis Brickey" <n4dd@preferred.com>
- 19) [58258] Short, loaded dipole

- by "Dan W. Dooley" <dandooley@pipeline.com>
- 20) [58259] Transmission Line Discussion
by FrConrad@aol.com
- 21) [58260] Re: Antenna Tree Supports
by Howard D Rubin <n3fel@juno.com>
- 22) [58261] ANT: loaded dipole for 40 m (hotel room)
by n5ib@juno.com
- 23) [58262] Atlanticon 2000 QRP Forum ... open for reservations!
by "George Heron N2APB" <n2apb@erols.com>
- 24) [58263] RE: Thanks for a lot of "new" circuit ideas !
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 25) [58264] Re: Receivers: CW Filters, More Comments from the Doctor
by Thomas Kuehl <ac7a@gci-net.com>
- 26) [58265] [Fwd: [Elecraft] More Jan '00 QST surprises!]
by "Eric Swartz - Elecraft, WA6HHQ" <erics@elecraft.com>
- 27) [58266] Re: Red Hot Radio - 40 Meter rig
by Dave Fifield <fifield@pacbell.net>
- 28) [58267] Re: IS QRP DXCC POSSIBLE ON 160?
by "Donny" <dsirait@centrin.net.id>
- 29) [58268] RE: Antenna Tree Supports
by "Mike D." <hrg@megsinet.net>
- 30) [58269] Re: Short, loaded dipole
by "George Edwards" <gedwards@onramp.net>
- 31) [58270] FS: K2 #600
by "Jeremy Cowgar" <jcowgar@cbnews.org>
- 32) [58271] Re: Transmission Line Discussion
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 33) [58272] Re: Transmission Line Discussion
by "Mike Yetsko" <myetsko@insydesw.com>
- 34) [58273] RE: Transmission Line Discussion
by Karl Kanalz <KKanalz@excel.com>
- 35) [58274] RE: Antenna Tree Supports
by Karl Kanalz <KKanalz@excel.com>
- 36) [58275] FS; Heathkit SB-104A - \$120 shipped
by N3BJ <N3BJ@hotmail.com>
- 37) [58276] FOX: KV2X FINAL LOG
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
- 38) [58277] Fancy Wattmeter FS
by "Ken Simpson" <W8EK@fdt.net>
- 39) [58278] Re: December EPE
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 40) [58279] Re: IS QRP DXCC POSSIBLE ON 160?
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 41) [58280] Short portable antennas
by Cellobrown@aol.com
- 42) [58281] Thanks! :-)
by "Bill Allen" <bill@pcatexas.com>
- 43) [58282] Re: FS: K2 #600 - SOLD SOLD

by "Jeremy Cowgar - KB8LFA" <jcowgar@cbnews.org>
44) [58283] 300 Ohm transmission lines
by Charles Greene <cgreene@loa.com>
45) [58284] Re: Short portable antennas
by Bob Nielsen <nielsen@primenet.com>
46) [58285] RE: Short portable antennas
by "Dan W. Dooley" <dandooley@pipeline.com>
47) [58286] Re: Short portable antennas
by "Mike Yetsko" <myetsko@insydesw.com>
48) [58287] KOKOPELLI 1--REMINDER--IT'S A GO
by "Rod Cerkoney" <rlw@frie.com>
49) [58288] Wire / Rope Antennas... XMISSION LINES...
by hamjoel@juno.com
50) [58289] HTX-10 Rumor...
by "Mike Yetsko" <myetsko@insydesw.com>
51) [58290] CONTEST: QRP Calendar This Weekend
by Ken Newman <N2CQ@citnet.com>
52) [58291] Re: O.T.....Bird Slug Calibration
by "James C. Owen, III" <k4cgy_list@yahoo.com>
53) [58292] Re: Short portable antennas
by "Richard E. Robinson" <rerobins@email.uncc.edu>
54) [58293] Re: HTX-10 Rumor...
by "Richard E. Robinson" <rerobins@email.uncc.edu>
55) [58294] Re: Atlanticon 2000 QRP Forum ... open for reservations!
by "Ron Polityka" <wb3aal@talon.net>
56) [58295] Mobile miniPIG test
by "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
57) [58296] Atlanticon 2000 Reservation
by HWRM1SS@aol.com
58) [58297]
by Dave Pomeroy <dave_pomeroy@yahoo.com>
59) [58298] Used bookstore on the WEB!!
by Kleibe Jacinto de Araujo <kleibe@anatel.gov.br>
60) [58299] QRPowWow - Short Report
by Bob Kellogg <ae4ic@nr.infi.net>
61) [58300] Re: HR4K: Ham Radio for Kids update
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
62) [58301] Re: Power calculations from RF voltage
by "Mike Czuhajewski" <wa8mcq@erols.com>
63) [58302] 10 meter contest results
by "James C. Owen, III" <k4cgy_list@yahoo.com>
64) [58303] Re:Cleaning shack
by Wayne A Smith <k8ff@juno.com>
65) [58304] Re: Atlanticon 2000 Reservation
by "Ron Polityka" <wb3aal@talon.net>
66) [58305] FOX: Final N4DD Hound Log
by "Dennis Brickey" <n4dd@preferred.com>
67) [58306] Re: Short Portable Antennas

- by dave gauding <david.gauding@bbs.galilei.com>
- 68) [58307] Ham Radio for Kids Site - EXCELLENT IDEA.
by Brian Milesosky <n5zgt@swcp.com>
- 69) [58308] Re: Receivers: CW Filters, More Comments from the Doctor
by Pete Burbank <plburbank@kih.net>
- 70) [58309] HR4K: Re: Ham Radio for Kids Site - EXCELLENT IDEA.
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 71) [58310] Re: Receivers: CW Filters, More Comments from the Doctor
by "Bob Tellefsen" <n6wg@earthlink.net>
- 72) [58311] Re: 300 Ohm transmission lines
by "Bob Tellefsen" <n6wg@earthlink.net>
- 73) [58312] Re: CONTEST: QRP Calendar This Weekend
by "Bob Tellefsen" <n6wg@earthlink.net>
- 74) [58313] Re: DSW v/s Emtech.Any ideas ?
by "Harsha K" <bravado@angelfire.com>
- 75) [58314] Force 12 ZR-3
by "Stephen D. Cohen" <scohen@xps.xybion.com>
- 76) [58315] Re: Ham Radio for Kids Site - EXCELLENT IDEA.
by Bruce Kizerian <kizerian@ced.utah.edu>
- 77) [58316] Re: Short Portable Antennas/Ramada Radiator
by JFStrain@aol.com

Date: Thu, 16 Dec 1999 19:00:24 EST
From: K4NK@aol.com
To: qrp-l@lehigh.edu
Subject: [58240] mfj tuner info
Message-ID: <0.c967dda1.258ad718@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello Gang ;

Have any of you ever modified the scale on a MFJ cross meter tuner. I have a model 948 and would like to change the scales from 30 watts and 300 watts to 3 watts and 30 watts. What resistor changes would have to be made? I tried the pots inside but not able to get it down far enough.

thanks Les K4NK

Date: Thu, 16 Dec 1999 18:07:35 -0600
From: "Richard Matthews" <prm@hiwaay.net>
To: <rwcfrii.com>, "q" <qrp-l@Lehigh.edu>
Subject: [58241] Re: DSW-40 - a good first timer kit?

Message-ID: <00f101bf4822\$b9abdf80\$6f85150c@scottsboro.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> It's a very good kit for a beginner. Easy to built and align. Plus
> Last nite I worked WB8DQT CO <-> MI ~1000mi, I got a 559 from an attic
dipole! I was
> powered the DSW from a 9V batt.
> 72/3 Rod, N0RC -- Ft Collins, CO
.....

Rod is right. As I have posted before, I operate a DSW-30 marine mobile from North Alabama, just this afternoon I contacted an 85 year old, fellow ham in middle Wisconsin using mine at a little more than one watt and using a boat mounted 30 meter inverted vee, the ends were about six feet off the water that contact was right at 1000 miles. He reported a 569 signal before I lost him in QSB.

Now, I know there are some other great QRP kits out there, but I can't image one much better than this.

Richard, WA4NWW

Date: Thu, 16 Dec 1999 18:15:59 -0600
From: "Terry Bassett" <mutabut@net66.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58242] N/T+ FOX: KB9TIQ
Message-ID: <000e01bf4823\$e5eaf8a0\$2347fa3f@host.net66.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All,

I am posting for Tony, KB9TIQ. He will be on this Saturday evening 0000-0200 Sunday UTC. He says he will start around 7105-7107 and Qsy to 7141-7144 area if things get too noisy. We had ice and rain and snow here, Tony tells me he has high SWR all of a sudden. I think he has probably got moisture in his coax. We'll see what works out. On another front, He has found a major source of noise coming from a fluorescent lamp. He hopes to be able to hear much better this time around. He has been active on 40

Novice band and is doing well code-wise.

I hope that some of you will take time out to give Tony a QS0.

73,

Terry, KA9TXE East Central Illinois

Date: Fri, 17 Dec 1999 07:14:37 -0500
From: S LYON <sslyon@worldnet.att.net>
To: tscott@eni.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58243] Re: DXCC ON 160 & Low 160 dipole vs vert...
Message-ID: <385A292D.7394DF1C@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Interesting... I hadn't thought of this until you posted your response, but with that particular layout, I'd try a HALF SQUARE with the ends of the 1/4 wave vert. elements folded in at a foot or two off the ground. Sag doesn't matter, and you've got the current at the high points. It should be a much more efficient radiator than an inverted-L, etc. of equal dimensions. Check out L.B. Cebik (W4RNL WEB page) on the subject... I think you have a chance for a QRP miles-per-watt record if not DXCC.

Let us know how you do!

73

-s-

--

'Seab' Lyon - AA1MY
Beacon NY USA FN-31
QRP-L 574 ARCI 9253

Date: Fri, 17 Dec 1999 00:23:13 +0000
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [58244] N5EN is a new Extra! Steve is now ex - KD5AIJ
Message-ID: <38598271.9FF216FD@worldnet.att.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steve, (ex - KD5AIJ) of Houston, Texas.

Congratulations on your up-grade to
"Extra" - effective December 11.

Cheers,

Tom, N1TP
Naples, FL. QRP-L # 1317

Date: Thu, 16 Dec 1999 16:32:52 -0800 (PST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: jwodell@ameritech.net
Cc: qrp-l@lehigh.edu
Message-ID: <199912170032.QAA02294@netcom.com>

Date: Thu, 16 Dec 1999 09:54:51 -0500
From: "Jerry W. O'Dell" <jwodell@ameritech.net>

Anyone remember the DEC computers on which slash
zero meant the letter "O"?

I never saw that and I worked with DEC machines for a LONG time,
but I did see the slash through the letter O in some commercial data
processing contexts, back when input was on cards and we used keypunch
machines.
73, doug

Date: Thu, 16 Dec 1999 18:07:16 -0700 (MST)
From: Gary Hembree <gary.hembree@asu.edu>
To: qrp-l@Lehigh.EDU
Subject: [58246] Re: IS QRP DXCC POSSIBLE ON 160?
Message-ID: <3.0.32.19991216180535.008ec100@imap4.asu.edu>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

If anyone has it's K1HTV in Maryland. His current total confirmed is 170 countries and 31 zones with 100 watts or less (data from www.qsl.net/160/). I believe he has worked many of those with 5 watts or less. Contact him directly for the details.

A large, efficient low angle radiator and many years (several sunspot minima) of patient work will be required in any case to work QRP Topband DXCC from NA. A low dipole will not cut it with QRP on 160 from over here! However from a favorable QTH in VE9 the feat will be easier than from other, more western NA locations. With more countries on 160 now than ever before DXCC on 160 is achievable in a couple of seasons with QRO (>500 watts) from eastern NA.

73

Gary, N7IR

DM43bi

(88' top-loaded, shunt-fed tower => 47 countries with <100 watts in three years)

Date: Thu, 16 Dec 1999 17:09:19 PST
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [58247] Re: DSW-40 kit for beginners
Message-ID: <19991217010919.85766.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

KC5ADF Bill Allen wrote:

I am considering getting a DSW-40 kit. Would this be a reasonable kit for a first timer? Have any had any problems with this one? Is performance good?

Answers: Yes, No, Yes. You might want to check out my review in the December issue of CQ Magazine.

72, Bruce Prior N7RR in Blaine, WA -- one of the Mangy Musers

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Thu, 16 Dec 1999 20:15:59 -0500
From: david fouchey <dafouchey@home.com>
To: aa5tb@swbell.net

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58248] Re: 2000 ARRL Leather Bound Radio Amateurs Handbook
Message-ID: <38598ECF.BDF8C418@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Isn't That the truth, #972 arrived today, an early christmas present to Me from Me! Now if I can just keep it in one piece...

Dave
WA4EMR/8

"Steve Yates, AA5TB" wrote:

>
> I received number 1825 as an early surprise Christmas gift from my wife! I
> plan on putting wear and tear on mine though. It becomes more valuable to
> me that way. Hopefully this one doesn't have the self-destructing paper :-)
>
> 73,
> Steve Yates - AA5TB
> Fort Worth, TX - EM12gs
> <http://home.swbell.net/aa5tb>

Date: Thu, 16 Dec 1999 20:21:57 -0500 (EST)
From: Joel Malman <malman@world.std.com>
To: qrp-l@Lehigh.EDU
Cc: k1qm@world.std.com
Subject: [58249] Red Hot Radio - 40 Meter rig
Message-ID: <199912170121.UAA07866@world.std.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Folks -

Has anyone got the Red-Hot-Radio 40 meter kit to work?

The kit seems to have bugs (board and manual). I built the kit and it does not work on RX or TX.

I have been told that there will be a PDF(?) file posted with bug fixes, but I have not seen it posted yet. Anyone have the bug fixes?

72
--

/joel K1QM (K1 Queen Mary) Concord, Massachusetts
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

Date: Thu, 16 Dec 1999 19:43:34 -0600
From: "Richard Matthews" <prm@hiwaay.net>
To: <n7rr@hotmail.com>, "q" <qrp-l@Lehigh.edu>
Subject: [58250] Re: DSW-40 kit for beginners
Message-ID: <010f01bf4830\$21b67920\$6f85150c@scottsboro.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

. You might want to check out my review in the
> December issue of CQ Magazine.
>
> 72, Bruce Prior N7RR in Blaine, WA -- one of the Mangy Mushers
.....

Reminds me, is the "73" magazine still published and what ever happened to
it's editor, Wayne Green? I had an antenna article in a late-70's "73" about
a homebrew, 15 meter, boom mounted, two element delta loop antenna . I had
not thought about that in years. Any body here ever run a delta loop for QRP
DX? As I remember it would out perform a yagi hands down and was not all
that hard to build.

Richard, WA4NWW (Thinking about the old days)

Date: Thu, 16 Dec 1999 20:02:49 -0600
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-l@lehigh.edu
Subject: [58251] Re: N5EN is a new Extra! Steve is now ex - KD5AIJ
Message-ID: <4.1.19991216200110.009eed70@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, HEY, Steve - CONGRATULATIONS. Let's get on the same repeater and
confuse the heck out of everyone!

Ed, N5EM
Houston

At 12:23 AM 12/17/99 +0000, you wrote:
>Steve, (ex - KD5AIJ) of Houston, Texas.
>
>Congratulations on your up-grade to
>"Extra" - effective December 11.
>
>
>Cheers,
>
>
>Tom, N1TP
>Naples, FL. QRP-L # 1317
>

Date: Thu, 16 Dec 1999 20:33:33 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <sruiz@bright.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58252] Re: Computer pwr supplies
Message-ID: <009701bf4837\$1de65a20\$05987b7b@CSS0048.bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes, even whether or not the fan is working... I have a small one here I wanted to use to power an HT here in the family room at home. Not really subject to a heavy load, I thought I could disconnect the small fan inside so that it would be quieter. It stopped working. Had to reconnect the fan.

No, I haven't bothered to see how the fan is wired in. This supply is a Condor.

Dan W. Dooley WB5TKA Y2K Complacent
e-mail to: dandooley@pipeline.com
Si Hoc Legere Scis Nimium Eruditionis Habes

-----Original Message-----
From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, December 16, 1999 12:26 PM
Subject: Re: Computer pwr supplies

>
>most of these will not fire up unless they have a load on them... what i
>did was set up a little lamp (12v) in the shack.. and wired it right to
>one of the 12v (+) leads.. and it fires up and runs great!
>
>--

Date: Thu, 16 Dec 1999 18:29:17 -0800
From: dave_epps@juno.com
To: malman@world.std.com
Cc: qrp-l@Lehigh.EDU
Subject: [58253] Re: Red Hot Radio - 40 Meter rig
Message-ID: <19991216.184016.-114647.0.dave_epps@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

My RH-40 kit went together without any problems, all "test as you build"
readings were right-on and the radio worked flawlessly at first power-up.
It is a great rig.
With the "test as you build" feature that Dave designed into the kit you
should be able to pinpoint where your problem is at.
dave ab5pc fresno, ca.

S

On Thu, 16 Dec 1999 20:21:57 -0500 (EST) Joel Malman
<malman@world.std.com> writes:
>Folks -
>
>Has anyone got the Red-Hot-Radio 40 meter kit to work?
>
>The kit seems to have bugs (board and manual). I built the kit and it
>does not work on RX or TX.
>
>I have been told that there will be a PDF(?) file posted with bug
>fixes,
>but I have not seen it posted yet. Anyone have the bug fixes?
>
>72
>--
>/joel K1QM (K1 Queen Mary) Concord, Massachusetts
>QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

Why pay more to get Web access?

Try Juno for FREE -- then it's just \$9.95/month if you act NOW!
Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 16 Dec 1999 19:42:24 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: Thomas Kuehl <ac7a@gci-net.com>
Cc: qrp-l@lehigh.edu
Subject: [58254] Receivers: CW Filters, More Comments from the Doctor
Message-ID: <199912170242.UAA21283@chupacabras.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Hi Tom (and all):

I hope that you are feeling better.

Thanks for your comments on my suggestions for implementing switched capacitor filters (SCAF). This is the kind of discussion I like to see and participate in on QRP-L. I wish we had as many contributors to this thread as there were to the "Is learning CW Hard? (Of course it is hard. If it were easy we would have 135 million hams. But I digress)

Sorry that your filter schematic got bugged by the ARRL graphics department. Will they correct in later printings or will we have to wait for next year's edition to get this killer QRP audio section?

I didn't mean to suggest that SCAFs are the end all to all filter applications. In fact I am a firm believer in the right tool for the right purpose. the SCAF is not always the right tool.

Passive filters, discrete inductors and capacitors, are useful for very low level filtering and applications where large dynamic range is required. Applications include front end filtering, IF filtering, and audio filtering in direct conversion receivers right after a passive mixer.

The active filters made from opamps are fine for low level audio filtering and general audio filtering.

SCAFs are most useful where the audio level is high. In a direct conversion receiver they should be preceded by good passive and/or active filtering.

Let me address your concerns;

1. I didn't mean to imply that just because SCAFs are newer technology they are better. Hams tend to be slow to take up new technology and as such favor

older technology. I wanted to suggest that Hams look for new parts for familiar applications.

2. I take exception to your statement that sampling data necessarily loses information. Nyquist showed that sampling at more than twice the highest input frequency is adequate to reproduce the input signal faithfully. Most SCAFs sample at 50 to 100 times the highest input frequency, so the "Nyquist Criteria" is more than satisfied. CDs are evidence of that digital sampling does not degrade the input signal. Sampling at 44 kHz, a 440 A is faithfully reproduced on a CD. So are much higher frequencies. As for additional information being introduced, this is just another manifestation of mixing. We already know how to deal with the additional products introduced by mixing so we can apply the same techniques, judicious filtering, to the SCAF application.

3. I concede that the noise and the harmonic distortion of SCAFs is worse than a good op amp filter. However if the application is chosen properly these are not significant. Your noise calculations are correct. However if used in a high level audio application (1 V or so), the noise contributed by the filter will be negligible. At 95 microvolts of noise, an audio signal of 1 V will have a 80 dB signal to noise ratio which is more than adequate for CW applications. As far as harmonic distortion, a CW filter is usually used such that the harmonics are significantly attenuated by the filter and not significant to the output. As an example, consider a 750 Hz tone listened to through a 4th order filter with a 750 Hz corner frequency. The second harmonic, 1500 Hz, will be roughly 12 dB down and the third harmonic will be 24 dB down. The harmonic distortion introduced by the filter can be several percent and still be a few tenths of a percent at the output. Things may not be quite so good for a voice application, but then HF SSB is not exactly Hi-Fi.

4. While most packaged SCAFs are low pass, there are some other alternatives out there. In practice many rigs have built in roll off below 300 Hz, so a low pass filter is not that bad a choice for selectivity. SCAFs come into their own when a variable cutoff frequency is required at high orders. While two gang pots are available and useful for 4th order filters, it is difficult to adjust higher order analog filters with easily available potentiometers. On the other hand 8 and even 10th order SCAF filters are available that can be adjusted with a single pot.

5. Well, I can't argue with you about the availability of speciality ICs. Today's ICs have ephemeral lives. National's MF-8 used in the OHR SCAF was one of the few SCAFs that had a bandpass function. National stopped making the chip and as a result the excellent OHR SCAF that used this chip has been discontinued. Unfortunately none of today's chips have the longevity of analog opamps like the 741 or NE5534. Even worse, the DIP packages are being abandoned and some very nice devices are only available in SMT devices. The day of electronic parts like the 811A being made for 60 plus years in the

same configuration is over. That just means we need to redesign with newer parts more often. We need to adjust to change.

I would be interested in your Bessel filter design. The linear response of the Bessel filter gives a natural response that is unmatched by other filter types.

Ginger (Virginia) sends her best. She remembers you fondly and is looking forward to seeing you again at Tuthill this summer. We will make every attempt to camp next to you this summer. Tuthill!!!!

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Thu, 16 Dec 1999 20:18:16 -0600
From: Oscar A Hoyt <k5ubs@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [58255] Re: Special Character Test...
Message-ID: <19991216.204047.-114047.0.k5ubs@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

even came thru juno correctly,, amazing!

On Wed, 15 Dec 1999 22:21:26 -0900 Bruce Hopkins - KL7H <k17h@arrl.net> writes:

>Hi Gang...

>

> Recent posts regarding the slash zero and other special characters

>such as the micro symbol got me thinking about the special characters available on my machine... This test is to see if they travel in an email

>and are readable as sent on both my Mac and my Windoze machine...

>

> = zero

> = copyright

> = micro

> = omega

>

> Take care and have fun...

>

>
>72 / 73 / oo's - Bruce - KL7H
>Fairbanks, Alaska
>
>"Alaska QRP Club" - Web Site: <http://home.gci.net/~bhoppers/akqrp>
> or: <http://www.qsl.net/kl7aqc>
> - 10 Meter Beacon: 28.282.28+/- KL7AQC
>/ BCN
>
>
>
>

Oscar Hoyt, ham since '55, ARRL, QCWA, QRP-L 1733, NORCAL

Why pay more to get Web access?
Try Juno for FREE -- then it's just \$9.95/month if you act NOW!
Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 16 Dec 1999 20:45:02 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <bryan@koen.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58256] Re: Good kit to build (summary)
Message-ID: <00b901bf4838\$b8565fa0\$05987b7b@CSS0048.bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You'll be quit happy with the DSW-40. I've been listening on mine since I got it completed a couple evenings ago. I don't yet have an antenna connection out in the family room (where I spend my evenings with XYL), but I will get it connected to my Butternut yet.

Anyhow, you won't hear as much SW activity below 7.100.

Dan W. Dooley WB5TKA Y2K Complacent
e-mail to: dandooley@pipeline.com
Si Hoc Legere Scis Nimium Eruditionis Habes

-----Original Message-----
From: Bryan Koen <bryan@koen.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, December 16, 1999 8:44 AM

Subject: Good kit to build (summary)

>Thanks for the many multiple responses. I must say this is probably
>the largest response that I have ever had in regards to a question
>that I have posted on the 'net.
>
>To summarize, most of you were very impressed with Small Wonders Labs'
>DSW series, some recommended the SW+.
>
>I have read and digested KI6DS's multi-part series, and believe that this
>is the path I will follow. It should give me some great experience and
>some nifty tools with which to jump into the QRP way of life.
>
>I am needing just the 13wpm code test to get my General class ticket,
>which I am taking this weekend. I may also take the advanced theory and
>take my chances. So, with any luck I should be out of the Novice/Tech+
>bands before too long.
>
>Just one quick question, is the 7.000 -7.100 MHz portion of 40m as
>cluttered with megawatt shortwave stations. I seem to be in a part of
>the world where there is a big heterodyne (S9+) on 7.110 regularly in
>the evening.

Date: Thu, 16 Dec 1999 22:01:27 -0500
From: "Dennis Brickey" <n4dd@preferred.com>
To: <qrp-l@Lehigh.EDU>
Subject: [58257] FOX: Revised Preliminary Hound Log
Message-ID: <002301bf483b\$03c86bc0\$730d1bd0@n4dd>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

After checking over the log more closely, I found a few
typographical errors and a contact that I inadvertently
omitted. Please take a look and, like before, let me know
if there is an obvious error.

Many thanks for your understanding, Dennis/N4DD

UTC	RST	RST	CALL	NAME	SPC	QRP L
		SNT	RCVD			

02:00 599 599 WD8KQY GARY OH 446

02:01	559	559	VE3JC	JOHN	ON	744
02:02	579	559	N0DT	DAN	MO	1004
02:03	559	589	AF4PS	MAC	FL	704
02:04	579	569	N1TP	TOM	FL	1317
02:05	559	599	N5LU	BILL	OK	2009
02:06	599	559	K5VUU	ED	TX	1343
02:07	559	559	N4ROA	DAN	VA	970
02:08	579	559	N0EA	WAYNE	MO	1058
02:09	559	599	N5TW	TOM	TX	1474
02:10	559	599	W5TFB	JACK	TX	282
02:10	559	559	K2UD	HOWARD	NY	1535
02:11	559	559	W8SFF	STEVE	MI	1288
02:12	559	599	N0EHW	TIM	MO	2047
02:13	559	579	AF5Z	BOB	TX	984
02:14	559	579	K1QM	JOEL	MA	337
02:15	559	579	K0EVZ	DOC	ND	861
02:16	559	559	K5ZTY	BILL	TX	473
02:17	559	559	K8CV	WALT	MI	935
02:17	559	559	K5AAR	DON	OK	1512
02:18	579	599	N1LN	BRUCE	TX	2049
02:19	559	559	KI0II	RON	CO	928
02:20	559	579	K1JD	JOHN	RI	1945
02:21	559	559	W0CH	DAVE	MO	618
02:23	559	559	KQ5U	TERRY	TX	1603
02:24	579	559	KK5LD	DAN	TX	2052
02:26	559	559	K1CL	CHUCK	MA	217
02:27	559	559	K10J	OJ	TX	732
02:28	559	559	KB9IUA	KEVIN	IL	384
02:29	579	579	KI7MN	BOB	AZ	271
02:30	559	599	N2WF	BILL	NJ	955
02:30	559	599	AB5UA	CLIF	OK	478
02:31	559	559	W2XN	FRED	FL	1728
02:33	559	599	AJ4Y	PAUL	FL	1795
02:34	579	579	KF2PH	NICK	NY	13
02:35	559	559	N4XDW	JAY	AL	1372
02:36	559	559	AA5TA	LARRY	TX	1245
02:37	579	559	K1MG	MIKE	CA	614
02:38	559	559	NQ7X	FLOYD	AZ	343
02:39	559	559	N5IW	DAVE	TX	1718
02:40	579	559	N5EN	STEVE	TX	2071
02:41	559	579	N2TO	KEVIN	NY	323
02:42	569	559	W0RSP	ADE	SD	2080
02:45	559	539	N6WG	BOB	CA	26
02:47	559	559	K0PC	PAT	MN	1964
02:48	579	559	W5SB	BILL	TX	1279
02:49	559	339	VE5RC	BRUCE	SK	886
02:49	559	339	K2REB	DICK	NY	1811
02:50	559	559	KA4BMK	JIM	FL	2W

02:51	559	559	WB1HBE	JOHN	MA	1419
02:52	559	559	AB7CE	ROY	MT	1494
02:54	559	549	NW7DX	BEN	WA	1892
02:56	559	559	VE6EWM	EARL	AB	1076
02:57	559	339	WE6W	ED	CA	1068
02:59	549	569	NM5M	ERIC	TX	1824
02:59	559	559	N0RN	BOB	CO	1789
03:01	559	569	K5HO	TONY	OK	5W
03:02	579	559	W5FN	TIM	TX	586
03:02	549	559	W5YR	GEO	TX	1373
03:04	559	559	WW7Y	STEVE	UT	94
03:05	559	559	KJ5SP	MEL	OK	1287
03:06	559	559	N0AR	SCOTT	MN	1455
03:07	579	599	WA5YFY	BUD	OK	5W
03:09	549	559	AA0ZZ	CRAIG	MN	1238
03:10	559	559	K5DW	DON	TX	2083
03:10	559	559	K1VP	ED	NH	1960
03:12	559	559	K5ZTY	BILL	TX	473
03:13	559	559	N0RC	ROD	CO	1764
03:15	339	559	AB0GO	DAVE	CO	785
03:19	339	449	N9AW	JERRY	WI	1271
03:21	559	559	W7ILW	HOWARD	AZ	2010
03:22	559	559	NK9G	RICK	WI	2061
03:24	549	599	K5UP	GLEN	OK	21
03:25	559	599	KK5LD	DAN	TX	2052
03:27	559	569	AA1LL	PAUL	NH	50W
03:29	559	559	KE5TC	ROY	OK	1057
03:30	559	579	WA9PWP	PAUL	WI	127
03:32	549	599	K4LKL	PAUL	FL	1W
03:34	339	489	WE4ARC	BOB	FL	1MW
03:41	229	449	N7CQR	DAN	OR	502
03:48	449	449	N7RR	BRUCE	WA	1688
03:58	339	559	AB7MY	GARY	AZ	571
03:59	549	559	K6TM	RICH	CA	1092

Date: Thu, 16 Dec 1999 21:17:06 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "QRP List" <qrp-1@Lehigh.EDU>

Subject: [58258] Short, loaded dipole
Message-ID: <00fb01bf483d\$32ed9860\$05987b7b@CSS0048.bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone had any success with loading coils to make a 40 meter dipole to a manageable length? 66 feet of wire in a hotel room isn't going to cut it.

I know loading coils in mobile applications work quite well, so why not effectively two of the end to end to form a half wave dipole? I believe 15 ft or so per leg would work. I can string that up on the walls easily enough.

Dan W. Dooley WB5TKA Y2K Complacent
e-mail to: dandooley@pipeline.com
Si Hoc Legere Scis Nimum Eruditionis Habes

Date: Thu, 16 Dec 1999 23:00:16 EST
From: FrConrad@aol.com
To: qrp-l@lehigh.edu
Subject: [58259] Transmission Line Discussion
Message-ID: <0.89f9ec49.258b0f50@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

To all:

The recent discussion about balanced feed lines, speaker wire, zip cord, etc. reminds me of the joke about the thermos bottle, the punch line being, "I know it keeps hot things hot and cold things cold, but how do it know?"

You can make an antenna out of feed line, and you can make antenna wire into a feed line. Ergo, how do it know where the feedline ends and the antenna begins?

John+

Date: Thu, 16 Dec 1999 22:59:09 -0500

From: Howard D Rubin <n3fel@juno.com>
To: qrp-1@lehigh.edu
Subject: [58260] Re: Antenna Tree Supports
Message-ID: <19991216.225932.9758.1.n3fel@juno.com>

OK, so I get the idea on how to weight the antenna near ground level.

Now how do I get the eye bolt through the tree at a height of 55 feet?

Please advise,
Howard, N3FEL

Why pay more to get Web access?
Try Juno for FREE -- then it's just \$9.95/month if you act NOW!
Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 16 Dec 1999 23:11:42 EST
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [58261] ANT: loaded dipole for 40 m (hotel room)
Message-ID: <19991216.220947.8199.0.N5IB@juno.com>

After reading a posted question about loaded dipoles, just played with
NEC Win antenna modeler:

20 feet of wire, fed in the center, with a 5.2 uH inductance about 4 ft
in from each end, calculates out to be roughly resonant with a feedpoint
impedance of about 70 ohms (15 ft above "average ground"). Close enough
to use as a starting point to experiment with and cut and trim.

Lots of things can upset that result, especially proximity to nearby
objects, so "caveat buildor"

73
Jim N5IB

Why pay more to get Web access?
Try Juno for FREE -- then it's just \$9.95/month if you act NOW!
Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 16 Dec 1999 22:55:18 -0500
From: "George Heron N2APB" <n2apb@erols.com>

To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [58262] Atlanticon 2000 QRP Forum ... open for reservations!
Message-ID: <006b01bf4845\$29faaa60\$fd9daccf@ire.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The NJ-QRP Club is very pleased to announce details concerning the Atlanticon 2000 QRP Forum, being held on March 24-25, 2000 in the attractive suburbs of historic Philadelphia, PA.

This will be the second year that this major east coast QRP weekend will be conducted ... last time over 125 avid QRPers converged in Maryland to witness 7 brilliant technical presentation from leading experts in our QRP community. We're keeping the same format and building on the excitement from the 1999 forum to make Atlanticon 2000 even better for everyone involved.

The Atlanticon 2000 QRP Forum will be held at the Ramada Inn at the corner of Rt. 1 and Rt. 202 in Glen Mills, PA. This is a small affluent suburb about 20 minutes from the historic sites of downtown Philadelphia, easily accessible from the airport (15 minute ride by shuttle), and by automobile via major expressways (Rt 95 on the east, and the Penna Tpk from the west).

THE SPEAKERS

We have a growing list of confirmed speakers for Atlanticon 2000: Chuck Adams (K7QO), Dave Benson (NN1G), Joe Everhart (N2CX), and Gary Diana (N2JGU). These experts in our QRP field are preparing very exciting presentations that will be of great interest to all.

THE AGENDA

Now as far as the our "agenda" for the weekend ... FUN! It will be QRP heaven, as you'll see below:

1) FRIDAY EVENING ... the QRP hospitality room opens up on Friday evening at 7pm providing time to socialize with our friends, drool over the QRP vendor tables that will be present, and just plain catch up in person with guys displaying their homebrew projects and kits.

2) SATURDAY ... the doors open at 8am for sign-in for the all-day presentations. Seven presentations in total will be delivered throughout the day in a very comfortable classroom-like room. The "mini-auditorium" well be using is just fabulous for our purpose. Think of the seating arrangement for a small movie theater (padded and reclining seats, arranged on a sloping floor focused on the front screen), and add the little fold-up table for taking notes ... reminds me of a typical college seminar classroom theater, seating over 200. This will be *very* nice for sitting in all day long.

There's also a dedicated mini-lobby just outside the presentation theater, providing for ample mingling area, the bottomless coffee urn and sodas. Perfect!

3) SATURDAY EVENING ... the culmination of our perfect weekend is another evening in the large hospitality room, which by the way is right next to the presentation theater! It's here where we'll be hosting the famous Building Contest. QRPers will be bringing their projects for display and judging in two different categories: Manhattan-Style construction, and kit building of any other type. There is a strong theme of Manhattan-style construction, right in theme with the Winter issue of QRP Homebrew magazine in which Chuck Adams has the featured spotlight with an extensive Manhattan construction tutorial, and in theme with Chuck's and Joe's presentations that day the Forum. And there's no one better than K7QO and N2CX to judge the contest entries. With a couple other special twists, this evening will be very memorable!

GLEN MILLS, PA

This site in Glen Mills, PA was chosen to offer QRPers and their families attending the QRP forum a chance to also see some beautiful parks and attractions relating to the Civil War and Revolutionary War time periods. Famous museums, battlefield parks, fabulous professional gardens (even during March!), the Liberty Bell, and other Phila attractions are likely to grab the interest of many, and are only minutes driving time away. A Sunday unwinding time, or an early arrival warm-up adventure, makes a perfect topping to the fun QRP weekend.

THE RAMADA INN

The Ramada Inn is beautiful and the rooms are newly-renovated and spotless. There's a nice bar, a good restaurant, a small workout room, and plenty of parking. In fact, if you are fortunate to get a southern-facing room on the third floor, there's a good chance of being able to pitch a long wire out to the fields behind the hotel. As soon as the film gets developed we'll get the photos posted on the Atlanticon webpage for you to see for yourselves. The local area in Glen Mills is relatively upscale, slightly congested, but full of great eateries, shops, shops and more shops. (The biggest mall along the eastern seaboard, King of Prussia Mall, is only 20 minutes away ;-)

RESERVATIONS

We've arranged special rates for the weekend: \$79+tax per night! This beats most other hotels in the area, and is consistent with our efforts to minimize the hits to our pocketbooks. To reserve your room for Friday and Saturday nights, call the hotel directly and ask for one of the rooms in the special-priced block set aside for the Atlanticon QRP Forum.

Ramada Inn
11 Baltimore Turnpike
Glenn Mills, PA 19342-1099

telephone: (610) 358-1700

REGISTRATION

Admittance to Atlanticon will be \$10, collected either at the hotel that weekend, or in advance by mail. Make checks payable to "George Heron, N2APB" and mail to:

George Heron, N2APB
2419 Feather Mae Court
Forest Hill, MD 21050

For those able to commit to attending early on, we have a special fun project in the works in which you'll be able to participate even before the QRP weekend. More next time on this.

We also ask those planning on attending Atlanticon 2000 to send us an email with your name and address in order to allow us to create your custom badge, and to reserve a printed compendium of all the presentations being given that day. These compendiums of the various QRP forums throughout the year have grown to be collectors items, and this one is already in the planning and editing stage.

So much to describe, so much to tell ... We'll have much more detail in the coming weeks for everyone thinking of coming. But go ahead and reserve your room at the Ramada Inn for March 24th & 25th for an absolute fun-filled QRP weekend that is destined to be memorable. Ask anyone who attended the last Atlanticon ... it was great!

72, George N2APB

n2apb@amsat.org

for the NJ-QRP Club at <http://www.njqrp.org>

See the Atlanticon webpage for more information, maps, etc:

<http://www.njqrp.org/atlanticon/>

Date: Thu, 16 Dec 1999 22:57:34 -0500

From: "Prof. Arnaldo Coro Antich" <inforhc@mail.infocom.etcusa.cu>

To: "qrp-L" <qrp-l@LeHigh.edu>

Subject: [58263] RE: Thanks for a lot of "new" circuit ideas !

Message-ID: <002d01bf4843\$e202b460\$0501a8c0@default>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Thanks to all that have send many useful ideas dealing with vacuum tube QRP related circuits.

Among the most interesting ones...

a two tube 12 volts on the plate 6BA6 regenerative detector that uses screen grid voltage variation to control regeneration. It is a low noise detector by "regenerative standards" and operates using a Hartley type circuit with the cathode connected to a tap on the tuned circuit.

Audio is fed to a single 6AG5 (remember the old TV's IF amplifiers old timers ???) which is connected to a pair of high impedance headphones.

One interesting aspect of this circuit is the use of an audio choke on the plate circuit of the regenerative detector, which leads to a lot of audio recovery !!! I used several inductors , but the one that really did the job was an audio choke from the venerable BC221 Heterodyne Frequency Meter (YES... I did "convert" a discarded BC221 with many missing parts into a solid state version, and it ended up not only as a nice VFO, but my adding some more components it is now a nice little QRP rig that works on 80 and 40 meters + providing the low frequency VFO starting at 125 kHz , and the high frequency VFO starting at 2000 kHz of course I had to calibrate it with a frequency counter and make a "new calibration book " , but it was really worth the time invested... every single second of it...

NO, it is no longer a heterodyne frequency meter, so that's why the audio plate choke was sitting in one of my junk boxes waiting to be used in some project... it ended up inside the 12 volt regenerative receiver...

Then someone asked... Arnie how much power could you get out of one of those tubes fed with 12 volts on the plate ? ANSWER: Have to measure it carefully but so far the 6BA6 rig, using two of those tubes is heard well on 40 meters locally !!!

Seems like those vacuum tubes last a lifetime even when removed from service, left standing alone from years and pressed back into daily use after a long time of not making those filaments glow...

HINT FOR NEWCOMERS: Look for the mirror like inner surface in some parts of small receiving tubes... if it is there, you can be sure that the barium

getter is still vaporized into a film on the glass,
an indication that vacuum is still rather good...
maybe not 10 to the minus 7 Torr, but still good enough
for thermoionic emission to take place !!!
Now thinking of a 4 pentode CW 12 volts on the plates
transceiver !!!

Arnie

C02KK

comments are welcome, both direct to me and to
the list if you think they may generate more
QRP related activity ...

Arnie Coro C02KK

Host of Dxers Unlimited

Radio Habana Cuba

e-mail:arnie@radiohc.org

e-mail:inforhc@mail.infocom.etecsa.cu

Postal address:

Prof. Arnaldo Coro Antich

La Torre no.127 entre 35 y 37

Nuevo Vedado, Plaza

Ciudad Habana , 10600

CUBA

Date: Thu, 16 Dec 1999 22:38:55 -0700

From: Thomas Kuehl <ac7a@gci-net.com>

To: jamesd1@flash.net

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [58264] Re: Receivers: CW Filters, More Comments from the Doctor

Message-ID: <3859CC6F.97808B61@gci-net.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hello Jim:

Well, lots of good points again regarding the SCAF and RC Active Filters. And yes, I agree, I think the technical forum is what Chuck Adams had envisioned when he created QRP-L (I saw Chuck at the Mesa Hamfest two weeks ago at the scQRPion table).

Okay, I concede that the 50X and 100X clock far exceeds the minimum sampling requirements set forth by Nyquist. The sampled information of the SCAF filter will very closely approximate the information processed by the continuous analog filter, in this case. Your analogy to CD technology is good, but I honestly do know people who prefer the sound of those old black disks with the hole, to CDs

(continuous versus sampled signal encoding). By the way, about a decade ago, I spent weeks in Japan working on manufacturing related problems associated with producing PCM DACs for CD players.

When you mention that the RC Active Filters are suitable for low level applications that is only part of the story. Because they have such low internal noise, i.e. terrific SNR, they may be used in circuits where the signal levels are very low; right after the product detector and even in the I.F. amplifier (modern high-speed op-amps now hold their own at HF and even VHF, see the OPA685 current-feedback op-amp and others). But that is only half the story: With the proper filter gain these filters can be used in the high-level applications as well. Many op-amps, especially the CMOS devices, can swing essentially rail to rail. I previously mentioned my post-headphone Bessel filter: It was designed for a gain of 1 V/V and follows the audio power IC in the Omni. It handles the signal levels just fine. (I also use this filter after my HW-8 and you just can't believe how good it makes the HW-8 sound - sorry, I digressed). The point is the RC Active Filter can be used in low or high level applications as long as the gain is properly taken into consideration. In fact, that is another strong point regarding the RC active filter; it allows you to establish a circuit gain as needed (within the design constraints of particular filter topology and type).

A while back I followed the audio filter thread on the Elecraft reflector. Wayne and Eric were soliciting inputs from K2 users on what they would like to see from the yet-to-be-released audio filter. Many stated their filter wishes, but the point I thought was interesting is Elecraft stated that the filter would be RC Active filters and not SCAF or DSP based. I believe the issue had to do with studies on the SNR of such filters - a subject I beat to death in the last posting.

Regarding my selectable, LP/BP Bessel filter design; I have considered writing it up for QST a number of times. There is always the hassle of having the article rejected after a good deal of work. In some fashion, I will disseminate the information. By the way, if you are wondering, the filter incorporates a monolithic buffer amplifier so it drives low-impedance headphones directly.

Say "Howdy" to that pancake cooking Ginger for me. After I attempted to sleep in that cramped car the previous night those pancakes really hit the spot.

Best Regards and Happy Holidays, Thomas - AC7A (Tucson)

Date: Thu, 16 Dec 1999 21:54:14 -0800
From: "Eric Swartz - Elecraft, WA6HHQ" <erics@elecraft.com>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [58265] [Fwd: [Elecraft] More Jan '00 QST surprises!]

Message-ID: <3859D006.CB914D3F@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We've found a second QST surprise in the January issue. Look between page 140 and 144 for a 'stealthy' picture of Wayne, N6KR, operating his K2.(You've heard of Where's Waldo...right?) Picture credits go to yours truly.

Looks like 2000 is going to be an Elecraft year!

73, Eric

=====
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
Date: Thu, 16 Dec 1999 16:17:33 -0500
Subject: Re: [Elecraft] K2 in QST
Message-Id: <v03102806b47f06b0c17d@[152.15.144.71]>

Doug, WB6AJX, writes;

>For those of you with the Jan. 2000 issue of QST check out the ARRL Ad on
>page 170. Look at the CRT Screen.

More K2 mojo.

72,

Rick kf4ar K2 #211

Date: Thu, 16 Dec 1999 22:09:34 -0800
From: Dave Fifield <fifield@pacbell.net>
To: malman@world.std.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58266] Re: Red Hot Radio - 40 Meter rig
Message-ID: <008f01bf4855\$4a8df2e0\$0100a8c0@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Folks,

I have several emails in my inbox from Joel. None of the emails mentions anything about having problems getting the kit working on either RX or TX.....

Joel, please let's take this offline. I'm sure we can get your kit working pretty easily without bothering the good people of QRP-L. Write to me with the specifics of what does/doesn't work plus some readings as per the troubleshooting guide and we'll have it going in no time flat.

72, Dave Fifield, AD6A

----- Original Message -----

From: "Joel Malman" <malman@world.std.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, December 16, 1999 5:21 PM
Subject: Red Hot Radio - 40 Meter rig

> Folks -
>
> Has anyone got the Red-Hot-Radio 40 meter kit to work?
>
> The kit seems to have bugs (board and manual). I built the kit and it
> does not work on RX or TX.
>
> I have been told that there will be a PDF(?) file posted with bug fixes,
> but I have not seen it posted yet. Anyone have the bug fixes?
>
> 72
> --
> /joel K1QM (K1 Queen Mary) Concord, Massachusetts
> QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884
>

Date: Fri, 17 Dec 1999 07:25:01 +0700
From: "Donny" <dsirait@centrin.net.id>
To: <richard.a.williams@attcanada.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58267] Re: IS QRP DXCC POSSIBLE ON 160?
Message-ID: <000201bf4872\$163c85c0\$c4f192ca@donny>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear Folks,

Richard Williams <richard.a.williams@attcanada.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Friday, December 17, 1999 09:12

wrote:

> I thinking of putting up a 160 antenna. Has anyone worked DXCC QRP on that
> band? Rick VE9HF
>

It is a very interesting thought and worth a try, However 160 has it own problem

Noise. Radiating our weak signals is one thing but recieving is more tough. Location plays an important role too. A location like me (YB) seems impossible to

achieve dxcc (very high noise and not enough near countries/entities to make it

to the 100 number) Hams in florida or in EA6 most probably can do it with more

ease than us. What makes it harder is the other station always do not have the

means to recieve weak signals buried in the noise (good recieving antennas) so my conclusion:

1. Try to make your transmitting antenna as good as possible (with possible gain i.e. phased verticals etc.)

2. Use seperate low noise recieving antenna(magnetic loops or beverages?)

3. Be consistent and ready for a lot of frusturation.

But then as I have mentioned above it is worth a try.

Thanks and 72

de Donny YB6LD/1

Bekasil Indonesia

Date: Fri, 17 Dec 1999 04:51:26 -0600

From: "Mike D." <hrg@megsinet.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [58268] RE: Antenna Tree Supports

Message-ID: <000401bf487c\$aaabcaea0\$c0d2d6d8@urbancom.net>

MIME-version: 1.0

Content-type: text/plain; charset="iso-8859-1"

Content-transfer-encoding: 7bit

> Now how do I get the eye bolt through the tree at a height of 55 feet?

>

> Please advise,

> Howard, N3FEL

The answer is right here:

<http://www.accenttech.com/w9qz/raising.htm>

73 de Mike, N9BOR

FISTS NR 4594

<http://www.qsl.net/n9bor>

di dah dit - The only roger beep you'll ever need.

My designated driver is a 12BY7A.

I want to party like it's 1969.

Solid State leaves me cold.

Date: Fri, 17 Dec 1999 05:16:53 -0600

From: "George Edwards" <gedwards@onramp.net>

To: <dandooley@pipeline.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [58269] Re: Short, loaded dipole

Message-ID: <003401bf4880\$3a5dc1e0\$a02efea9@computer1>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Dan.....I put together two Hustlers mobile antennas with a mounting bar in the middle. If you use the 54" masts to mount the loading coils...the 75 meter version is about 8 1/5 feet long on a side. This will all break down into pieces that are 54" long at the longest (the mast is the deciding factor). If you use their M0-4 mast, it is only 22" long and enables you to have a travel set that will fit into a 2 foot long container with overall lengths of about 6 feet long per side. If you can stick it out the window.....or have a balcony....you can mount it in the horizontal or vertical configuration.

K10J tried the shortened version out in a hotel room on a recent trip and was able to work around that part of the country on 40 cw. He has some suggestions after the "field trial"....and we will incorporate them for the next time. I am working up a set to take with me when we go on vacation. I plan to take the short version and resonators for 10/15/20/40.....to use with a K2. Everything will fit in a 2 foot long piece of 4" PVC with end caps for the antenna parts and a small hand case for the K2 and key.

To change bands....you change out the resonators....

It doesn't give you the same results as a half wave dipole of course....but it works!

73/George Edwards (fox name - Ed)K5VUU

----- Original Message -----

From: Dan W. Dooley <dandooley@pipeline.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, December 16, 1999 9:17 PM
Subject: Short, loaded dipole

> Anyone had any success with loading coils to make a 40 meter dipole to a
> manageable length? 66 feet of wire in a hotel room isn't going to cut it.
>
> I know loading coils in mobile applications work quite well, so why not
> effectively two of the end to end to form a half wave dipole? I believe
15
> ft or so per leg would work. I can string that up on the walls easily
> enough.
>
> Dan W. Dooley WB5TKA Y2K Complacent
> e-mail to: dandooley@pipeline.com
> Si Hoc Legere Scis Nimium Eruditionis Habes
>
>
>
>

Date: Fri, 17 Dec 1999 06:41:01 -0500
From: "Jeremy Cowgar" <jcowgar@cbnews.org>
To: <elecraft@qth.net>
Cc: <qrp-l@lehigh.edu>
Subject: [58270] FS: K2 #600
Message-ID: <003501bf4883\$98d6e8c0\$2904a8c0@jeremy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Attention to all QRP'ers.

I have decided to put my K2 up for sale. I have gotten the Satellite bug, and have not touched my K2 for the last month and a half. I promised my wife that if I were to purchase a new radio, I would sell my K2. My QRP career is on hold for a little time now.

The K2 is Serial Number #600. This K2 is just as every other K2, a great performing, feature packed QRP radio with many options that can be installed. All building is documented, and all of the radio has been thoroughly tested, and works great. I have built the Noise Blanker, and installed this into the K2. The Noise Blanker is the only option that exists in the radio.

I am asking \$700.00 for the K2, Noise Blanker option, and of course the manual, and power plug that came with the kit. I have over 40 hours in building, and all is done, and all works great.

I purchased the Noise Blanker because I am surrounded by an electric fence, and this Noise Blanker removes all traces of the POP, POP, POP that existed in the K2, and all other radio's I have owned because of the electric fence.

To sum it up, I am selling a perfectly working K2 with the noise blanker for \$700.00 ... all is tuned, checked, and working great. The radio was in use for about 2 months, has never seen the field, or even portable use. It is like brand new, no defect at all.

The radio will go to the first person who responds. All emails will be kept in case difficulty arises with the first buyer.

I kinda hate to sell it, but I have been having so much fun with satellites, so I must keep my word with my wife. I had to choose between Satellites or the K2, and for now, the Satellites won the battle. The FT-847 is the only radio that I will have in the shack, until the QRP bug bites again.

Thank you for all who has helped in the building, have answered questions, and who helped make the K2 possible.

If you have any questions about the K2, feel free to ask, and also see the sites below. I do maintain a K2 mod's page, as well as a builders log which details all time that I spent on my K2, and of course, Elecraft's Home Page.

73's de KB8LFA

Jeremy - KB8LFA@amsat.org
K2 #600

K2-Mod's Page: <http://www.qsl.net/kb8lfa/K2/>
K2 #600 builders page: <http://www.qsl.net/kb8lfa/qrp.htm>
My home page: <http://www.qsl.net/kb8lfa/>

Elecrafts (Maker of the K2) Home Page: <http://www.elecrcraft.com/>

Date: Fri, 17 Dec 1999 06:57:44 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: FrConrad@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58271] Re: Transmission Line Discussion
Message-ID: <Pine.GS0.4.10.9912170634300.2338-1000000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

>You can make an antenna out of feed line, and you can make antenna wire into
>a feed line. Ergo, how do it know where the feedline ends and the antenna
>begins?

>

>John+

>

A transmission line consists of two surfaces with equal and opposite currents (and voltages) everywhere along the line. The only way to accomplish this in practical terms is to have the two surfaces in close enough proximity where virtually all of the fields set up by each line are confined--that is do not radiate. I say "surfaces" and not wires, because the outer surface of the coax center conductor and the inner surface of the braid are comparable to the two wires of a standard parallel wire transmission wire.

As we spread the wires apart, we reach a point where none of the field is confined by the counterpart surface and hence can spread without limit. That is an antenna. Radiation can be thought of (and usefully so for some contexts) as simply the spreading without limit of the field around a wire.

It is possible to have parallel lines to a point. After that point, they spread, let's say arbitrarily at a 45-degree angle, to another point. After that, the wires lines are in line with each other. The angular section is acting in part as a transmission line (to the degree that there is a component of the field parallel and the lines are close together). The angular section also functions as an antenna to the degree that there is a component of the field at right angles to the eventual linear part of the antenna. Interestingly, this section also functions as an impedance transformer.

We can also convert closely spaced transmission lines into partial

antennas by unbalancing the line, as might be the case when placed too close to and edgewise to an "hunk" of metal. The line radiates to the degree that it now has unbalanced currents, but that rarely involves all of the current on the line. Hence, radiation from a parallel feedline can range from low to high, depending on the degree of imbalance.

We can also convert a transmission line into a radiating antenna by spreading the parallel wires too far apart. Take a square quad loop. The side wires are too far apart to act as effective transmission lines and so the loop has a small vertically polarized component from those wires, assuming a bottom center feedpoint. Now we can squeeze the side wires closer together, which shortens the horizontals and lengthens the side wires for resonance. We discover that the gain increases and the impedance goes down. As we continue the process, there is a certain very close spacing that yields the highest gain, but at an unusably low impedance. Most folks do not look at the pattern components to discover that the vertical component of the field has almost disappeared, despite the radically longer lengths of line. The vertical wires are now close enough together to form an effective transmission lines, and the current distribution pattern will be quite different than the one for the standard square. (Remember that the rules for being a transmission line specify that the line terminals must be in series with the radiating wires, but they do not say how we have to effect the series junction. The usual center break that we use is one way. End connection to a very short radiator happens to be another.)

Both antennas and transmission lines use the condition of standing waves to "conduct their business." In a transmission line, the fields are confined--hence the energy (less a tiny line loss) at one end is available at the other end. In an antenna, the fields expand without limit, and the energy is gone--but hopefully to where we wish a QSO.

I hope this helps a bit.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\ /\ *	/ / /	Tel: (423) 938-6335
1434 High Mesa Drive	/ \ / \	----/\---	
Knoxville, Tennessee	/\ \ \ \	/ / /	http://www.cebik.com
37938-4443 USA	/ \ \ \ \		e-mail: cebik@utk.edu

Date: Fri, 17 Dec 1999 06:57:17 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <FrConrad@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58272] Re: Transmission Line Discussion
Message-ID: <005e01bf4885\$fa321660\$fe5bfea9@dads-hp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>To all:
>
>The recent discussion about balanced feed lines, speaker wire, zip cord,
etc.
>reminds me of the joke about the thermos bottle, the punch line being, "I
>know it keeps hot things hot and cold things cold, but how do it know?
>
>You can make an antenna out of feed line, and you can make antenna wire
into
>a feed line. Ergo, how do it know where the feedline ends and the antenna
>begins?
>
>John+

Actually... if you want to get picky. A feed line should feed the
signal, and antenna should radiate and/or collect the signal.

But when it comes to the antenna 'system', somethings you
just have to take the attitude of 'who cares?' I know, that
will tick some people off, but the bottom line is that sometimes
if it works, you DON'T care. Like the issue of baluns. You
can argue all day long that they are 'technically necessary',
but when the insertion of a balun leads to slightly less
performance than you were getting without the balun, which
way would you rather operate? I know, it could be argued
that 'something else is wrong' but again, "WHO CARES?"
If it works, it works.

When I went on some Boy Scout campouts and carted the
HTX-100 along, I didn't have a 'perfect' antenna to hook to.
Big deal! I ran a piece of coax to my MFJ little tuner than
a piece of hookup with an alligator clip on it to a fence.
Guess what? It worked. So who cares! I DID!! But I didn't
care that it worked inefficently, I cared that it worked at all!

People can argue all day long that something is better, but
there's always too many 'buts' about what is better or best.

I like to see people playing with zip line, even if it is a piece of crap, because that reminds me back to the stories of loading up bedsprings. It's neat. And if it works, WHO CARES!

Mike

Date: Fri, 17 Dec 1999 06:47:26 -0600
From: Karl Kanalz <KKanalz@excel.com>
To: "'FrConrad@aol.com'" <FrConrad@aol.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58273] RE: Transmission Line Discussion
Message-ID: <2D343922E283D211945C0008C7A41B2A0131022A@adntex01.adsn.dal.excel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

It don't!

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: FrConrad@aol.com [mailto:FrConrad@aol.com]
Sent: Thursday, December 16, 1999 10:00 PM
To: Low Power Amateur Radio Discussion
Subject: Transmission Line Discussion

To all:

The recent discussion about balanced feed lines, speaker wire, zip cord, etc. reminds me of the joke about the thermos bottle, the punch line being, "I know it keeps hot things hot and cold things cold, but how do it know?"

You can make an antenna out of feed line, and you can make antenna wire into a feed line. Ergo, how do it know where the feedline ends and the antenna begins?

John+

Date: Fri, 17 Dec 1999 06:47:57 -0600
From: Karl Kanalz <KKanalz@excel.com>
To: "'n3fel@juno.com'" <n3fel@juno.com>, Low Power Amateur Radio Discussion <qrp-
l@Lehigh.EDU>
Subject: [58274] RE: Antenna Tree Supports
Message-ID: <2D343922E283D211945C0008C7A41B2A0131022B@adntex01.adsn.dal.excel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Stand on your tippy-toes!

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Howard D Rubin [mailto:n3fel@juno.com]
Sent: Thursday, December 16, 1999 9:59 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Antenna Tree Supports

OK, so I get the idea on how to weight the antenna near ground level.

Now how do I get the eye bolt through the tree at a height of 55 feet?

Please advise,
Howard, N3FEL

Why pay more to get Web access?
Try Juno for FREE -- then it's just \$9.95/month if you act NOW!
Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 17 Dec 1999 12:45:13 GMT
From: N3BJ <N3BJ@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [58275] FS; Heathkit SB-104A - \$120 shipped
Message-ID: <199912171245.GAA08660@x27.deja.com>

For Sale: Heathkit SB-104A HF transceiver, gets output on some bands,
needs work. Very nice condition, all knobs original, very clean.
Includes board extender and all original documentation. RF output
switchable to 1 watt on front panel, standard feature.

\$120 shipped

Date: Fri, 17 Dec 1999 08:30:03 -0500
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
To: prvalko@oakland.edu, qrp-1 <qrp-1@Lehigh.EDU>
Subject: [58276] FOX: KV2X FINAL LOG
Message-ID: <385A3ADB.A6C3C2C5@eng14.rochny.uspra.abb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Paul and all you hungry hounds 'n foxes,

This is my Final revised Log for my Dec 7 UTC run

TIME	CALL	RST SENT	RST RCVD	QTH	NAME	NUMBER
====	=====	=====	=====	===	=====	=====
101	NV4V	559	559	KY	PETE	1721
102	KU4AF	559	559	NC	JOHN	987
104	AJ4Y	559	559	FL	PAUL	1795
105	N3BJ	559	559	VA	ALAN	5w
105	W0ch	559	559	MO	DAVE	618
107	N0EA	559	559	MO	WAYNE	1058
109	N9AW	559	559	WI	JERRY	1271 DUP
109	N4ROA	559	599	VA	DAN	970
110	N9AW	559	599	WI	JERRY	1271
112	K0EVZ	559	569	ND	DOC	861
113	K5LN	559	559	TX	BILL	1794
115	KB9IUA	559	559	IL	KEVIN	384
116	N5TW	559	559	TX	TOM	1474
119	AE4Y	559	559	GA	KENT	184
120	N9KW	559	559	IL	JOHN	1257
122	NQ7X	559	559	AZ	FLOYD	343
123	K5NZ	559	559	TX	MIKE	2018
125	K5ZTY	559	555	TX	BILL	473
128	W0RW	559	559	CO	PAUL	1284
130	AF4Z	559	579	TX	BOB	984
133	AF4PS	559	569	FL	MAC	704
134	W2XN	559	559	FL	FRED	1428
136	W5TFB	569	559	TX	JACK	282
138	WS4S	559	559	TN	CONARD	993
139	KK5LD	559	559	TX	DAN	205
141	KA3BM	559	559	FL	JIM	4w
143	W2UX	559	559	SC	GARY	593
144	N0DT	559	559	MO	DAN	1004
146	N1TP	559	559	FL	TOM	1317
148	AB5UA	559	559	OK	CLIF	478

149	N1LN	559	559	TX	BRUCE	2049
150	W0JOE	559	559	MO	JOE	1901
152	K5AAR	559	559	OK	DON	1512
153	KD5AIJ	559	559	TX	STEVE	2071
155	K5VUU	559	559	TX	ED	1343
156	N0AR	559	559	MN	SCOTT	1455
157	K0PC	559	559	MN	PAT	1964
158	W2XN	559	559	FL	FRED	1428 DUP
159	NM5M	559	559	TX	ERIC	1824
201	KI0II	559	559	CO	RON	928
203	KF4AR	559	559	NC	RICK	402
206	WE6N	559	559	CA	ED	1068
207	K1MG	559	339	CA	MIKE	614
209	K5RV	559	559	LA	BRIAN	324
210	AB7CE	559	559	MT	ROY	1494
212	W4UTI	559	539	AL	KARL	1097
218	W5HNS	559	449	TX	HENRY	1781
218	KD5AIJ	559	559	TX	STEVE	2071 DUP
223	N0DSP	559	559	CO	TOM	1587
225	N0RC	559	339	CO	ROD	1764
226	KQ5U	559	559	TX	TERRY	1603
227	N7RR	559	449	WA	BRUCE	1688
229	KU7Y	559	559	NV	RON	17
231	AK7Y	559	559	AZ	GREG	1693
232	N5LU	559	559	OK	BILL	2009
235	W5SB	559	339	TX	BILL	1279
236	N0EHW	559	559	MO	TIM	2047
238	VE6EWM	559	559	AB	EARL	1076
240	KI0G	559	559	CO	BOB	239
244	K5JHP	559	339	TX	BILL	825
248	AA5TA	559	449	TX	LARRY	1245
253	N6WO	559	339	CA	BOB	26
256	AA0MZ	559	559	MN	GRAIG	1239
258	KI7MN	559	339	AZ	BOB	271
259	N6XU	559	339	CA	STAN	66

Date: Fri, 17 Dec 1999 08:35:10 -0500
 From: "Ken Simpson" <W8EK@fdt.net>
 To: "QRP List" <qrp-l@lehigh.edu>
 Subject: [58277] Fancy Wattmeter FS
 Message-ID: <01de01bf4893\$a43396e0\$64a1fea9@kensimps>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

For Sale:

Palomar Engineers M-827 Wattmeter

This is one of the fanciest wattmeters I have seen. It is not quite analog, and it is not quite digital either. It has two "bar graphs" that are really a series of LEDs. There are two. One is for forward power, with full scale ranges of 20, 200, and 2000 watts. The other is for SWR, which is automatically computed, regardless of power. It is really neat. It runs off of 110 V AC, and even has a toroid on the line cord to keep the RF out.

It is a cubical shape, about 4 1/2 inches on a side.

Before someone asks, no, I do not know if it can be scaled down to have lower power readings. I would think so, but..... Actually, having a 20 watt scale is not bad!

This meter lists for \$199.95. This particular one is almost like new, and available for only \$ 125 plus shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-Mail to W8EK@fdt.net or W8EK@juno.com
Voice Phone (352) 732-8400

Date: Fri, 17 Dec 1999 09:34:00 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: g4wif@btinternet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58278] Re: December EPE
Message-ID: <385A49D6.25931FB0@quartz.gly.fsu.edu>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tony et al

I broke down and signed up for electronic delivery of EPE at \$9.95 for the year. Seems like an outstanding deal. The individual issues run about \$5-6.00 each (when available) at the local Barnes and Noble. We'll see how it goes.

The Jan 2000 QST arrived yesterday. Really looks neat. Way to go Rich!!!

Has anyone seen the NJ QRP journal? How does it look? Are sample copies available?

I have finished working for the year and am currently burning "use it or lose it" vacation time. Might be a good opportunity to get some ant work in. Stand by for further reports.

Tnx agn

Henry

Tony Fishpool wrote:

> Henry and the list,
> EPE is 2.65 in the UK - The PIC Micro-Probe article in the December
> issue looks interesting and the Practical Oscillator Design series over
> the past 6 months has been very educational.
> Their web site (<http://www.epemag.wimborne.co.uk/index.htm>) is worth a
> look as is their FTP site (<ftp://ftp.epemag.wimborne.co.uk/pub/>).
>
> There is an "on-line" version of EPE that costs US \$9.99, so that may be
> a way to avoid stock outs at the bookstore.

Date: Fri, 17 Dec 1999 13:46:03 -0000
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: <richard.a.williams@attcanada.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [58279] Re: IS QRP DXCC POSSIBLE ON 160?

Message-ID: <013001bf4895\$11788020\$eba632d4@prsat0x1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You may be interested in the 160m antenna on my web page
<http://www.g3ycc.karoo.net/ant1.htm>

...
Frank G3YCC
QRP web page <http://www.g3ycc.karoo.net>

Date: Fri, 17 Dec 1999 08:55:55 EST
From: Cellobrown@aol.com
To: qrp-l@lehigh.edu
Subject: [58280] Short portable antennas
Message-ID: <0.5b183e99.258b9aeb@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Has the use of Slinkies as part of a shortened confined antenna (hotel rooms)
been discussed?

Charlie W1HZE #2085

Date: Fri, 17 Dec 1999 08:01:22 -0600
From: "Bill Allen" <bill@pcatexas.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58281] Thanks! :-)
Message-ID: <002f01bf4897\$363a1160\$356840ce@bill.ou-town.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would like to thank each and every one of the respondents to my recent
inquiries concerning various rigs. I received many replies on the list and
many more in private emails. This is probably the most helpful ham list or
newsgroup that I have yet encountered. You all are to be commended! :-))

KC5ADF
Bill Allen

Date: Fri, 17 Dec 1999 08:52:00 -0500
From: "Jeremy Cowgar - KB8LFA" <jcowgar@cbnews.org>
To: <elecraft@qth.net>
Cc: <qrp-1@lehigh.edu>
Subject: [58282] Re: FS: K2 #600 - SOLD SOLD
Message-ID: <002001bf4895\$e3f870a0\$d004a8c0@kb8lfa>

Thank you for all the responses, but the K2 has been sold.

Thank You,

Jeremy - KB8LFA@amsat.org

Date: Fri, 17 Dec 1999 08:44:26 -0500
From: Charles Greene <cgreene@loa.com>
To: qrp-1@Lehigh.EDU
Subject: [58283] 300 Ohm transmission lines
Message-ID: <4.2.2.19991217083805.00a9ee40@mail.loa.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi All,

I bought some RS 300 TV twin lead. It is listed as super low-loss foam TV twin lead cable, cat # 15-1174. Any one know the attenuation and velocity factor on HF? Is it worth changing to the 300 ohm ladder line? I need about 40' to feed a window and I don't plan to use more than 100 watts.

Try PSK31. Check: <http://aintel.bi.ehu.es/psk31.html>
and May 99 QST. K2 S/N 462.

Chas, W1CG

Rhode Island TCPIP Address Coordinator

w1cg@arrl.net

Date: Fri, 17 Dec 1999 07:16:31 -0700
From: Bob Nielsen <nielsen@primenet.com>
To: Cellobrown@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58284] Re: Short portable antennas
Message-ID: <19991217071631.E17563@bob.localnet>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

It sure has. Someone used to sell Slinkies for antenna use (I haven't seen them advertised in many years, however).

On Fri, Dec 17, 1999 at 08:55:55AM -0500, Cellobrown@aol.com wrote:
> Has the use of Slinkies as part of a shortened confined antenna (hotel rooms)
> been discussed?
>
> Charlie W1HZE #2085

--
Bob Nielsen, W6SWE (RN2) Internet: nielsen@primenet.com
Tucson, AZ DM42nh AMPRnet: w6swe@w6swe.ampr.org
QRP-L #1985 http://www.primenet.com/~nielsen

Date: Fri, 17 Dec 1999 08:22:51 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <Cellobrown@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [58285] RE: Short portable antennas
Message-ID: <001301bf489a\$3338ff00\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

And if discussed, are they a viable choice?

Seems to me, that due to their construction - infinitely "tunable" that bringing one to resonance would be a nightmare and require constant monitoring with a SWR meter lest a breeze in the room from the airconditioner/heater fan cause the coils to move in relation to each other and detune the whole thing. What kind of efficiency are they capable of?

Or am I misjudging the whole thing?

Dan W. Dooley - WB5TKA Y2K Complacent
e-mail to: <mailto:dandooley@pipeline.com>
Si Hoc Legere Scis Nimium Eruditionis Habes

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Cellobrown@aol.com
> Sent: Friday, December 17, 1999 7:56 AM
> To: Low Power Amateur Radio Discussion
> Subject: Short portable antennas
>
>
> Has the use of Slinkies as part of a shortened confined antenna
> (hotel rooms)
> been discussed?
>
> Charlie W1HZE #2085
>

Date: Fri, 17 Dec 1999 09:35:24 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [58286] Re: Short portable antennas
Message-ID: <01ce01bf489b\$fc331480\$9001a8c0@wn.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Has the use of Slinkies as part of a shortened confined antenna (hotel rooms)

> been discussed?

>

> Charlie W1HZE #2085

>

I haven't seen that here. But back in the 60's I heard they were popular.

I saw one antenna about 1972 or so built like this. It was a coffee can, mounted upside down on the bottom of a 1x3 board. Coax went out the top of the board and hooked to the can. Inside the can was two Slinkys, hooked in 'series' I guess is the best way to put it. There was a cheap 'bait casting' reel on the end of the board, and the line from the reel went out to the other end of the board and down a hole through the board and the center of the can. It was attached to a weighted plate to the end of the Slinky. When the line was taught, it held the plate against the end of the coffee can, with the Slinky inside.

When the guy wanted to use the antenna, he would set it out a window (It had a hook and an arm for support) and let the line out of the reel. The plate would drop, pulling the slinky out as well. He 'tuned' it by adjusting the length with the fishing reel.

I don't know how well it worked, but the guy seemed to like it.

Mike
N1DVJ

Date: Fri, 17 Dec 1999 07:51:20 -0700
From: "Rod Cercone" <rlc@frii.com>
To: <elecraft@ns3.qth.net>, <w6toy@erols.com>, "Dee Hester" <ddh2@bigfoot.com>, "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>, "Jeff Francis" <jfrancis@frii.com>, "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [58287] KOKOPELLI 1--REMINDER--IT'S A GO
Message-ID: <00f501bf489e\$4c63ba20\$018611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks:

It looks good and I'm on my way to WY.

Earth WX looks good partly sunny & abt 40 deg.

Space WX looks good, Spots Up, Flux-up, A index down. No space crud headed this way to disturb the geomagnetic field.

I listened to the NCDXF beacon Thur at noon, 10-15 and 20 were all supporting coast to coast propagation. The beacon in South Africa was very strong on 10!

K2 Mojo--Excellent, 13 of the last 15 foxes, #286 is ready to __ROCK__!!!

K2 Knob Mojo--Good to Excellent. ;-)

Coffee thermos full

Pleanty of pencils, pens, paper battery's, ant wire & supports...etc.

LETS PLAY RADIO!!!

72/3 Rod, NØRC -- Fort Collins, CO

For those who missed it, here is the original posting:

----- Original Message -----

From: Rod Cerkoney <rwc@frii.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>;
<elecraft@qth.net>

Sent: Tuesday, December 14, 1999 8:08 AM

Subject: KOKOPELLI 1--Date & Detail

> Folks:

>

> Got things worked out, it's now up to the WX.

>

> DATE: Fri, 17-Dec-1999

> TIME: 1200-1600 MST, 1900-2300 UTC (Approx.)

> QTH: Sherman Mountains/Vedauwoo (pron. VEE DA VOO)

> Between Cheyenne & Laramie along interstate 80

> FREQ: Near QRP CW calling freqs. 10, 15, 20, 40

>

>

> ABOUT THE AREA:

>

> The Sherman mountains were name after Gen. W.T. Sherman, by
Grenville
> Dodge, a surveyor, who discovered the area when chased that way by
> Indians in 1855. The area between Cheyenne and Laramie along and
near
> I-80 mark the old Union Pacific Railroad route. In the area is
Sherman
> pass, 8235ft, the highest point along that RR route.
>
> So far the WX looks good 30-40's, dry. So keep your fingers crossed.
> If the WX turns sour I have an alternate QTH in Cheyenne. If the WX
is
> REAL bad, I'll try another day, TBD.
>
>
> ABOUT THE EVENT:
>
> In addition to providing WY QSL's to those who need them, I thought
it
> would be fun to have this be a "K2 Operating" event. We haven't had
> one of those yet. So if you have a K2 lets exchange K2 Serial
Numbers,
> mine is SN #286. If you are using any other rig just give me your
> power. Proposed exchange:
>
> Me: <RST> WY Rod SN286
> You: <RST> <SPC> <NAME> <K2 SN#> or <Power>
>
> After that any chit-chat you care to offer.
>
>
> HOW TO FIND ME (on the bands):
>
> I hope to be in position and ready by 12n MST. I have a little
> scouting to do in the area to find a suitable operation location.
>
> Listen to the NCDXF Assoc. Beacons, <http://www.ncdxf.org/>. I'll
start
> by listening to the 10M beacon, if I hear NY or CA I'll start on 10M
> and work down as CONDX dictate. If I don't hear the CA, NY beacon,
> I'll move down until I detect decent coast to coast propagation.
I'll
> be calling CQ CQ QRP DE NØRC/7.
>
> I'll post my log to QRP-L and the Elecraft list, by Mid-day Sat.
Send
> fills and corrections, then I'll get to work on QSL cards.
>

> If the WX gets bad, and I abort the event I'll post to QRP-L & the
> Elecraft list stating so, along with alternate dates. (There is a
WEB
> CAM near my proposed QTH if your interested:
>
http://wydotweb.state.wy.us/Docs/Roads/WebCameras/TelephoneCanyon/Tele
> phoneCanyon.html)
>
>
> EQUIPMENT:
>
> XCVR(S): K2 #286 main rig, backups: NorCal 20 & DSW 40
> ANT: G5RV probably Inverted-V mount, apex ~25-30ft., I'll also have
> some wire to erect a random length longwire as a back-up.
> Coffee: Starbucks ;-)
>
> Don't worry about me running out of power. I'll have 3 spares: 3Ahr,
> 7Ahr and my save the world from Y2K 33Ahr.
>
> So that's the deal, please send question directly to me to keep list
> traffic down. If warranted I'll send updates to the lists. If you
> can't get on the air Fri. fear not. I'll sked another KOKOPELLI
outing
> in the near future for WY and/or NE (another hard to get state).
>
> ---
> 72/3 Rod, NORC -- Fort Collins, CO
>
>
>
>

Date: Fri, 17 Dec 1999 10:25:27 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [58288] Wire / Rope Antennas... XMISSION LINES...
Message-ID: <19991217.102707.-226937.1.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

hIGH y'all again:

Seeing the discussion on xmission lines getting meaux technical all the
time I decided I would put the subject in clear understanding for folk

like me.... :-)

To learn about xmission lines we need to understand how to water the lawn... no kidding... u can ask my cajun mama ... she can tell u...

First off, let's think of the xmission line as a garden hose.... It's job is to pass water from one end to the other without spilling any on the way or restricting it's flow....

then u got the water sprinkler... it's job is to fling the water all over the lawn. It is to fling all the water the hose sends it and maintain a constant pressure on the line....

Now we got the connections on the hose to the water source and the water flinger (sprinkler)... U kneaux how those hose connections can leak.... letting water leak all over where we don't want it,,,, so it is important to pay attention to the hose connections to see that they don't leak... and check the hose to see that it is not kinked or leaking.... Then of course The water flinger (springler) need to work properly... not clogged up.

Sew u sea xmission lines an't that difficult to understand... they just carry rf frum one places to another places without losing any or radiating... and u gotta make good connection on each ends...

Joel KE1LA
In Maine

Why pay more to get Web access?

Try Juno for FREE -- then it's just \$9.95/month if you act NOW!

Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 17 Dec 1999 10:54:30 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [58289] HTX-10 Rumor...

Message-ID: <00cc01bf48a7\$18762f00\$9001a8c0@wn.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I heard on one of the 'other list' I'm on, that the manufacturer of the HTX-10 (and others) is quite pleased with the acceptance, and plans similar models. One being a 2M all mode, and the other being a 40M....

I wonder if the 40M will take off the FM and put in CW...

Please keep in mind that this was a RUMOR that was discussed,

NOT A VERIFYABLE FACT! But it's still interesting!!

Mike

Date: Fri, 17 Dec 1999 10:46:27 -0500
From: Ken Newman <N2CQ@citnet.com>
To: QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [58290] CONTEST: QRP Calendar This Weekend
Message-ID: <3.0.6.32.19991217104627.007bd240@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~  
1999 QRP CONTEST CALENDAR

December 18 - 19  
~~~~~

Croatian CW Contest (CW) ... QRP Category

Dec 18 - 1400z to Dec 19 - 1400z

Rules: <http://home.sol.no/~janalme/htmlrules/9acw.html>
~~~~~

Stew Perry (W1BB) Topband Distance Challenge (CW) ... QRP Category!

Dec 18 - 1500z to Dec 19 - 1500z

Rules: <http://jzap.com/k7rat/stew.rules.txt>  
~~~~~

RAC Canada Winter Contest (CW/SSB) ... QRP Category

Dec 19 - 0000z to 2359z

Rules: <http://www.rac.ca/CANWIN.htm>
~~~~~

AND LATER.....

~~~~~  
Original QRP Contest (CW) ... QRP Category

Dec 25 - 1500z to Dec 26 - 1500z

Rules: <http://home.sol.no/~janalme/htmlrules/original.html>
~~~~~

Holiday Milliwatt CW Contest \*\*\* QRPp Contest \*\*\*

Dec 26 - 1800z to 2200z

Dec 27 - 2000z to Dec 28 0000z

Dec 28 - 2200z to Dec 29 0200z

Rules: <http://www.qsl.net/kj5tf/mwtest.html>  
~~~~~

72 de

Ken Newman - N2CQ

Woodbury, NJ

N2CQ@ARRL.NET

~~~QRP Contest Calendar~~~

<http://www.njqrp.org/data/contesting.html>

~~~WQ2RP NJQRP Club Station~~~

Date: Fri, 17 Dec 1999 07:52:25 -0800 (PST)

From: "James C. Owen, III" <k4cgy_list@yahoo.com>

To: qrp-l@lehigh.edu

Subject: [58291] Re: O.T.....Bird Slug Calibration

Message-ID: <19991217155225.8093.qmail@web1608.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

--- "George T. Baker" <w5yr@worldnet.att.net> wrote:

> I strongly suspect that any attempt to "mess with" a

> Bird slug would

> accomplish little more than destroying its

> calibration. Those folks have

> good reasons for rating their 50 watt slug at that
> power level. As for
> not making one with a lower power rating for HF,
> that is probably a
> marketing issue.

The real reason for not making a lower power slug for 2-30 Mhz is due to the pickup method of the bird. Remember they make a 1w slug for VHF. The bird pickup is generally like a SWR bridge with a parallel line for pickup. As the frequency goes down the % of wavelength on that line goes down and the amount of voltage that the plug picks up is just too small to use with the Bird 43 system for less than about 10W. However if you're buying a BIRD there is a solution. Buy a Bird 4410 instead of a 43. The 4410 slugs have 7 ranges of power for each slug. If you get the slug model 4410-3 then the range is FS 1 watt to 1000 watts ie FS ranges of 1W,3W,10W,30W,300W & 1000W. You could also buy the 4410-4 and have 10W-10KW. While these slugs are about twice the cost of a 43 when you consider that they replace 7 43 slugs the price is very low.

73 Jim K4CGY

Do You Yahoo!?

Thousands of Stores. Millions of Products. All in one place.
Yahoo! Shopping: <http://shopping.yahoo.com>

Date: Fri, 17 Dec 1999 11:34:20 -0500
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu
Subject: [58292] Re: Short portable antennas
Message-ID: <v03102803b4801676aaa3@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Charlie W1HZE, writes;

>Has the use of Slinkies as part of a shortened confined antenna (hotel rooms)
>been discussed?

I have a Slinky indoor antenna that I built from an article that appeared in a mid '80s issue of 73. It uses 1" PVC to form a square frame bottom

support with a 4' vertical mast that stretches the Slinky. My problem was that my apartment was in a steel framework building with radiant electrical heat in the ceiling. This resulted in a pretty good RF cage and the results were disappointing. I recently found the Slinky antenna in my parents attic and I'm going to try it again to see if I can get better results.

It breaks down very easily for travel and would make a good hotel antenna. The author of the article reported good results although mine were not very good due to my location.

72/73,

Rick kf4ar

Date: Fri, 17 Dec 1999 11:51:06 -0500
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: myetsko@insydesw.com
Cc: qrp-l@lehigh.edu
Subject: [58293] Re: HTX-10 Rumor...
Message-ID: <v03102805b48016fecab1@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Mike Yetsko writes;

>I heard on one of the 'other list' I'm on, that the manufacturer of the
>HTX-10 (and others) is quite pleased with the acceptance, and
>plans similar models. One being a 2M all mode, and the other
>being a 40M....

I wonder if that could be GRE who has made the DX-394, PRO-200X series scanners and the PRO-43? I've been very pleased with my HTX-10 and the GRE made RS gear I have. All of it is high quality and very reliable for the price.

If they're smart, they could market and sell loads of \$149 retail single band xcvrs especially if they include CW. Can you imagine the sales figures for a \$149 20 or 40 meter SSB/CW xcvr? A 2M all mode at a decent price would be a real winner too. You can bet RS would be more than willing to sell any of them judging from the response to the HTX-10.

BTW, RS has the HTX-242 2M mobile on sale for \$179 if anyone needs a new 2M rig.

72,

Rick kf4ar

Date: Fri, 17 Dec 1999 12:38:36 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [58294] Re: Atlanticon 2000 QRP Forum ... open for reservations!
Message-ID: <003301bf48b5\$8cd960c0\$97e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I made my reservation already!!

I can't wait until March.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

| | |
|-----------------|---------------|
| EPA QRP #1 | NJ QRP #179 |
| KL7 QRP # 309 | G-QRP # 3031 |
| ARCI QRP # 5318 | 10 - X #13173 |
| NorCal | Zombie #625 |
| ARS # 380 | HI-QRP #153 |
| VA QRP Society | |

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>
100 + Work Units Completed

Date: Fri, 17 Dec 1999 12:47:36 -0500
From: "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
To: "qrp-1" <qrp-1@lehigh.edu>, "FPqrp" <fpqrp@egroups.com>
Subject: [58295] Mobile miniPIG test
Message-ID: <001f01bf48b6\$f48ecbf0\$6401020a@lsiindustries.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Howdy Folks,

I want to test a 1 watt 10 meter qrp cw xcvr this afternoon while I drive home from work. The antenna is a 49 inch wip on top of my Toyota truck. Will call cq de wb8qyy/m; hope someone is around to listen between 4:30 and 5:00 PM EST.
Freq is somewhere around 28064.

Any help is appreciated. TNX ALL

BTW, the miniPIG is a club 10 meter xcvr project.

73, oo's, Dieter (DIZ) Gentzow, WB8QYY, Loveland, Ohio
FPqrp#1 QRP-L#1998 10-X#9389 CATT#26 K2#493
<http://w3.one.net/~gentzow/wb8qyy.htm>

Date: Fri, 17 Dec 1999 13:15:19 EST
From: HWRM1SS@aol.com
To: njqrp@njqrp.org, qrp-1@lehigh.edu
Subject: [58296] Atlanticon 2000 Reservation
Message-ID: <0.245f5889.258bd7b7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

QRPers

Made my reservation also...the lady I spoke to at about 10:30 AM this morning did not know what I was talking about and took 15 minutes to find out - but I got it in...
Howard K3HW

Date: Fri, 17 Dec 1999 10:20:21 -0800 (PST)

From: Dave Pomeroy <dave_pomeroy@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Message-ID: <19991217182021.9548.qmail@web1104.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

unsubscribe

Do You Yahoo!?
Thousands of Stores. Millions of Products. All in one place.
Yahoo! Shopping: <http://shopping.yahoo.com>

Date: Fri, 17 Dec 1999 16:28:01 -0300
From: Kleibe Jacinto de Araujo <kleibe@anatel.gov.br>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [58298] Used bookstore on the WEB!!
Message-ID: <6A3A6C7C6177D311932B0000E21F2B7815380B@ANATELMAILE>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi gang....

somebody know a used bookstore on the web???? something about QRP.

Tanks

73=B4s
Kleibe Jacinto de Araujo
PP2KJA=20

Date: Fri, 17 Dec 1999 13:18:41 -0800
From: Bob Kellogg <ae4ic@nr.infi.net>
To: QRP-L <qrp-l@Lehigh.EDU>, klqrp <klqrp@vramp.net>
Subject: [58299] QRPowWow - Short Report
Message-ID: <385AA8B1.70E45617@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

The Knightlites Millenium-ending QRPowWow last night was a huge success!! Others will no doubt report more details, but I just have to comment! We had good attendance, great door prizes, show and tell stuff, and operated on 80M, 40M and 20M to boot!

My daughter, Athena, who lives in the QRPowWow area showed up, so I spent some time hearing about her new job, and didn't get to operate as much as originally planned. (There is life besides QRP) :-)

However, I enjoyed the contacts on 80M, and was pleased to find many of you contacting us on the other bands, too. Thanks much for helping to make our event a success.

Wow! Was it cold!! Don't know what the temperature was (low 30's), but it was definitely a prelude to the FYBO coming up after the first of the year.

Remember, we have a specially designed QSL card to commemorate the occasion. If you would like one and you contacted WQ4RP last night, send a Self-Addressed Stamped envelope to John Paul, AB4PP, at the following address:

John Paul Keon, AB4PP
5501 Cumberland Plain Drive
Raleigh, NC 27616

CUL,
Bob Kellogg, AE4IC Greensboro, NC
Prolably, not nececelery. - Benny Hill

Date: Fri, 17 Dec 1999 13:09:04 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Bruce Kizerian <kizerian@ced.utah.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58300] Re: HR4K: Ham Radio for Kids update
Message-ID: <Pine.OSF.4.20.9912171303080.298-100000@duke.usask.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

I think having an abundance of illustrations is an EXCELLENT idea. And if we are careful in how we design the graphics it doesn't need to take a large amount of space. The big problem for me is that I can't draw. So if anyone out there wants to volunteer for the illustrations...

For those who are interested in what I had in mind for a web site here is a very Very VERY preliminary version:

<http://duke.usask.ca/~buydens/ham/ham4kids/index.html>

Brian.

On Thu, 16 Dec 1999, Bruce Kizerian wrote:

> Bryan
>
> Your ideas for the website sound great to me. My only suggestion has to do with
> how the material is presented. An abundance of illustrations and photos would
> help capture kids attention. Unfortunately, this requires an large amount of web
> space. If you or anyone out there can give me an idea of what a good website
> costs it would be very helpful.
>
> Thanks
>
> Bruce kk7zz
>
>
>
>

```
+-----+
| Brian Buydens,           Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca      http://duke.usask.ca/~buydens |
| VE5RDV                               |
+-----+
| Who is General Failure and why is he trying to read my hard drive? |
+-----+
```

Date: Fri, 17 Dec 1999 14:10:36 -0500
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <qrp-l@lehigh.edu>
Cc: "wa8mcq" <wa8mcq@erols.com>
Subject: [58301] Re: Power calculations from RF voltage
Message-ID: <199912171903.0AA31298@xanadu.evi-inc.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Someone said to use a factor of 2.88 to convert peak to peak into RMS voltage, and someone else corrected that to 2.818. Here's the correct value:

Divide peak to peak voltage by 2.828 to obtain RMS voltage. Or, for peak, use half of that, 1.414 (which happens to be the square root of two).

Given the inherent inaccuracies and tolerances and variations in measurements of RF, we could argue all day over how much difference it makes, in the real world, if we used one of those wrong numbers :-)

73 and queue our pea DE WA8MCQ

Date: Fri, 17 Dec 1999 11:40:31 -0800 (PST)
From: "James C. Owen, III" <k4cgy_list@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [58302] 10 meter contest results
Message-ID: <19991217194031.3407.qmail@web1609.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

This was the best conditions of any I've experienced in the last 16 years on the 10M contest. First time I've heard JA's in about 9 years. I didn't run QRP however but I think after the fact I might have run a better score had I done so. At least I would probably have won the class.

Results: 10M contest
Location: Mt. Airy, MD FM19
Entry class: Single operator, phone only, high power (750W)

Valid Q's: 1025
Multipliers: 136
Claimed Score 278,800

Worked 49 states missed only SC
Equipment: Ten-Tec Corsair II, Ameritron AL80, 4 ele
Finco monoband beam @ 47 ft.

73 Jim K4CGY

Do You Yahoo!?

Thousands of Stores. Millions of Products. All in one place.
Yahoo! Shopping: <http://shopping.yahoo.com>

Date: Fri, 17 Dec 1999 14:48:44 -0500
From: Wayne A Smith <k8ff@juno.com>
To: qrp-1@lehigh.edu
Subject: [58303] Re:Cleaning shack
Message-ID: <19991217.144847.7454.2.k8ff@juno.com>

Thanks for all the response to my original post of items for sale! All items except the Ten Tec 1330 have been SOLD. Merry Christmas to all!

Best 73, Wayne K8FF

Why pay more to get Web access?
Try Juno for FREE -- then it's just \$9.95/month if you act NOW!
Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Fri, 17 Dec 1999 14:51:42 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-1@Lehigh.EDU>
Subject: [58304] Re: Atlanticon 2000 Reservation
Message-ID: <004101bf48c8\$255eeba0\$bae508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: <HWRM1SS@aol.com>
Subject: Atlanticon 2000 Reservation

> QRPers
> Made my reservation also...the lady I spoke to at
> about 10:30 AM this morning did not know what I
> was talking about and took 15 minutes to find out
> - but I got it in...
> Howard K3HW

Well that make me the 2nd one to make a reservation.
They asked me if I knew someone with the name of Howard.
I explained that they will have people from all over the country
calling to make reservation. Just tell them you are calling for
reservation for the Atlanticon QRP Forum on March 24 & 25, 2000.

Happy Holidays!

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

| | |
|-----------------|---------------|
| EPA QRP #1 | NJ QRP #179 |
| KL7 QRP # 309 | G-QRP # 3031 |
| ARCI QRP # 5318 | 10 - X #13173 |
| NorCal | Zombie #625 |
| ARS # 380 | HI-QRP #153 |
| VA QRP Society | |

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>
100 + Work Units Completed

Date: Fri, 17 Dec 1999 14:45:12 -0500
From: "Dennis Brickey" <n4dd@preferred.com>
To: <qrp-l@Lehigh.EDU>
Subject: [58305] FOX: Final N4DD Hound Log
Message-ID: <000401bf48c7\$3c78ba60\$490d1bd0@n4dd>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Per the guidelines, I am to post a final hound log with only
QRP-L member qso's. This is it as I have it.

| UTC | RST | RST | CALL | NAME | SPC | QRP L |
|-----|-----|-----|------|------|-----|-------|
|-----|-----|-----|------|------|-----|-------|

SNT RCVD

| | | | | | | |
|-------|-----|-----|--------|--------|--------|------|
| 02:00 | 599 | 599 | WD8KQY | GARY | OH | 446 |
| 02:01 | 559 | 559 | VE3JC | JOHN | ON | 744 |
| 02:02 | 579 | 559 | N0DT | DAN | MO | 1004 |
| 02:03 | 559 | 589 | AF4PS | MAC | FL | 704 |
| 02:04 | 579 | 569 | N1TP | TOM | FL | 1317 |
| 02:05 | 559 | 599 | N5LU | BILL | OK | 2009 |
| 02:06 | 599 | 559 | K5VUU | ED | TX | 1343 |
| 02:07 | 559 | 559 | N4ROA | DAN | VA | 970 |
| 02:08 | 579 | 559 | N0EA | WAYNE | MO | 1058 |
| 02:09 | 559 | 599 | N5TW | TOM | TX | 1474 |
| 02:10 | 559 | 599 | W5TFB | JACK | TX | 282 |
| 02:10 | 559 | 559 | K2UD | HOWARD | NY | 1535 |
| 02:11 | 559 | 559 | W8SFF | STEVE | MI | 1288 |
| 02:12 | 559 | 599 | N0EHW | TIM | MO | 2047 |
| 02:13 | 559 | 579 | AF5Z | BOB | TX | 984 |
| 02:14 | 559 | 579 | K1QM | JOEL | MA | 337 |
| 02:15 | 559 | 579 | K0EVZ | DOC | ND | 861 |
| 02:16 | 559 | 559 | K5ZTY | BILL | TX | 473 |
| 02:17 | 559 | 559 | K8CV | WALT | MI | 935 |
| 02:17 | 559 | 559 | K5AAR | DON | OK | 1512 |
| 02:18 | 579 | 599 | N1LN | BRUCE | TX | 2049 |
| 02:19 | 559 | 559 | KI0II | | RON CO | 928 |
| 02:20 | 559 | 579 | K1JD | JOHN | RI | 1945 |
| 02:21 | 559 | 559 | W0CH | DAVE | MO | 618 |
| 02:23 | 559 | 559 | KQ5U | TERRY | TX | 1603 |
| 02:24 | 579 | 559 | KK5LD | DAN | TX | 2052 |
| 02:26 | 559 | 559 | K1CL | CHUCK | MA | 217 |
| 02:27 | 559 | 559 | K10J | OJ | TX | 732 |
| 02:28 | 559 | 559 | KB9IUA | KEVIN | IL | 384 |
| 02:29 | 579 | 579 | KI7MN | BOB | AZ | 271 |
| 02:30 | 559 | 599 | N2WF | BILL | NJ | 955 |
| 02:30 | 559 | 599 | AB5UA | CLIF | OK | 478 |
| 02:31 | 559 | 559 | W2XN | FRED | FL | 1728 |
| 02:33 | 559 | 599 | AJ4Y | PAUL | FL | 1795 |
| 02:34 | 579 | 579 | KF2PH | NICK | NY | 13 |
| 02:35 | 559 | 559 | N4XDW | JAY | AL | 1372 |
| 02:36 | 559 | 559 | AA5TA | LARRY | TX | 1245 |
| 02:37 | 579 | 559 | K1MG | MIKE | CA | 614 |
| 02:38 | 559 | 559 | NQ7X | FLOYD | AZ | 343 |
| 02:39 | 559 | 559 | N5IW | DAVE | TX | 1718 |
| 02:40 | 579 | 559 | N5EN | STEVE | TX | 2071 |
| 02:41 | 559 | 579 | N2TO | KEVIN | NY | 323 |
| 02:42 | 569 | 559 | W0RSP | ADE | SD | 661 |
| 02:45 | 559 | 539 | N6WG | BOB | CA | 26 |
| 02:47 | 559 | 559 | K0PC | PAT | MN | 1964 |

| | | | | | | | |
|-------|-----|-----|--------|--------|----|----|------|
| 02:48 | 579 | 559 | W5SB | BILL | | TX | 1279 |
| 02:49 | 559 | 339 | VE5RC | BRUCE | SK | | 886 |
| 02:49 | 559 | 339 | K2REB | DICK | | NY | 1811 |
| 02:51 | 559 | 559 | WB1HBE | JOHN | MA | | 1419 |
| 02:52 | 559 | 559 | AB7CE | ROY | | MT | 1494 |
| 02:54 | 559 | 549 | NW7DX | BEN | | WA | 1892 |
| 02:56 | 559 | 559 | VE6EWM | EARL | AB | | 1076 |
| 02:57 | 559 | 339 | WE6W | ED | | CA | 1068 |
| 02:59 | 549 | 569 | NM5M | ERIC | | TX | 1824 |
| 02:59 | 559 | 559 | N0RN | BOB | | CO | 1789 |
| 03:02 | 579 | 559 | W5FN | TIM | | TX | 586 |
| 03:02 | 549 | 559 | W5YR | GEO | | TX | 1373 |
| 03:04 | 559 | 559 | WW7Y | STEVE | UT | | 94 |
| 03:05 | 559 | 559 | KJ5SP | MEL | | OK | 1287 |
| 03:06 | 559 | 559 | N0AR | SCOTT | MN | | 1455 |
| 03:09 | 549 | 559 | AA0ZZ | CRAIG | MN | | 1238 |
| 03:10 | 559 | 559 | K5DW | DON | | TX | 2083 |
| 03:10 | 559 | 559 | K1VP | ED | | NH | 1960 |
| 03:13 | 559 | 559 | N0RC | ROD | | CO | 1764 |
| 03:15 | 339 | 559 | AB0GO | DAVE | | CO | 785 |
| 03:19 | 339 | 449 | N9AW | JERRY | | WI | 1271 |
| 03:21 | 559 | 559 | W7ILW | HOWARD | AZ | | 2010 |
| 03:22 | 559 | 559 | NK9G | RICK | | WI | 2061 |
| 03:24 | 549 | 599 | K5UP | GLEN | | OK | 21 |
| 03:29 | 559 | 559 | KE5TC | ROY | | OK | 1057 |
| 03:30 | 559 | 579 | WA9PWP | PAUL | | WI | 127 |
| 03:41 | 229 | 449 | N7CQR | DAN | | OR | 502 |
| 03:48 | 449 | 449 | N7RR | BRUCE | | WA | 1688 |
| 03:58 | 339 | 559 | AB7MY | GARY | | AZ | 571 |
| 03:59 | 549 | 559 | K6TM | RICH | | CA | 1092 |

Date: Fri, 17 Dec 1999 13:51:10 -0600
From: dave gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [58306] Re: Short Portable Antennas
Message-ID: <3.0.6.32.19991217135110.007d2d90@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello and Happy Holidays,

I didn't make note of who brought up the subject of "slinky" vertical antennas earlier today. But, I've used them on-and-off for 15 years. It's not a computer generated theoretical antenna but one that does work pretty well in elevated settings. Assuming the alternative may be no antenna at all this is truly viable indoor design with a decent track record. I've got log entries and notes to refresh my memory so what follows is based on real-time experience. Bottom line, I've built and used these antennas.

The slinky vertical on a break-down pvc stand is known as the "Ramada Radiator". I wrote the author a letter after the article was published in 73 Magazine, around 1985. The design worked for me and I wanted to tell him so. Replying, he told me that many other folks had also written! Remember, this was long before e-mail so there was a lot of genuine interest.

Briefly, the pvc stand with a couple of strategically placed dowel supports holds a single coil (the classic "orange" size) which is stretched from floor to ceiling. Later, I just used a single PVC support with several extension options. I wedged the right length in place with a sponge rubber ball. Then, I used a few radials and a tuner to cover 10-40M instead of shorting out the coils for individual bands.

Position the antenna near a window (starting on the second floor and above) and the little vertical starts to get out. It hears well at ground level but that's about all. Needless to say steel beamed hotels/motels absorb RF pretty quickly so in those locations expectations should be tempered with a dose of reality. Balcony locations are helpful and I always try to tie the steel railing and/or the sliding door frame into the ground system.

Last year I started to write an article on "slinky" antennas but it's on the back burner for now. Chatting with the manufacturer/distributor was a lot of fun and I got the impression that inquiries from hams are routine, i.e. how much wire is in those coils! <g>

I got my first "slinky" in 1980 along with a novice ticket. It was the 6" diameter commercial version. I've still got the set-up instructions around here somewhere but the coils are long gone. I'm erasing all memories of being a "cliffdweller" for 18 years! <g>

The commercial "slinky" is a monster due to it's coil diameter, flexibility and weight. Also, the number of turns needed to resonate it as single band coax fed antenna. This means approximately 66' of wire in the coils to achieve resonance on 20M, or 132' for 40M and so forth. It's fairly easy to do this at ground level but not in a low attic with open rafters. <g>

After several frustrating days in the attic with my first "slinky" and little to show in the log, I went back quite happily to my rain gutter antenna. Then I met an elmer who carefully explained tuned feeders in readily understandable terms. I started tuning my "slinky" with twinlead

and all of a sudden life on the bands got a lot better. And, I could get on 10-40M using remote tuning. I used that commercial "slinky" and several toy derivatives until my "Aluminum Cloud Antenna" design evolved (aluminum kitchen foil radiators). All "slinkys" are still recalled with a certain fondness because I learned a lot about antennas from them.

I haven't seen a commercial "slinky" advertised in years. I believe the last seller was called the "Blackstone Group" and it wasn't cheap. But, there are three sizes of inexpensive toy "slinkys" these days and a homebrew antenna is easy to make. The smallest is golf ball size. The middle or orange size is the one most of us grew up with. The largest (and latest) is about the size of a grapefruit.

These sizes can be resonated on single bands (good luck) or configured as tuned doublets the covering 10-20M, 10-40M and 10-80M respectively. This assumes almost full extension of the coils. "Full extension" means stretching them close to the point where the wire starts to kink, perhaps 90%. It's a trial & error exercise but not hard to do. If anything the antenna is very forgiving.

I use common formica tile samples for center and end insulators for the small and medium size coils. I prefer braided nylon fishing line for the messenger line am but no longer sure if the stuff is being manufactured. A no-stretch line is required due to the weight of the coils as well as the heat generated in an attic. The doublet needs to be supported in the middle as well as at the ends. Hook-eyes work well.

Drill holes in the top and bottom of the tiles to match the coil diameter. Slip the crimped spring clip off one end of the coil, thread the wire into the tile and re-crimp. Terminate the feedline in alligator clips. The coils are zinc plated. I used to scrape the steel wire down to bare metal but never could detect any difference in performance.

The length of wire in each coil is variable. Two turns is typical, three not uncommon and I've even run into four. Since each side of a the doublet should be balanced expect to do some trimming on one coil so it matches the length of the other.

A coax feedline with a coiled choke at the feedpoint works okay. But, the "golf ball" slinky can even be resonated on 30M if the tuned feedline is a generous length. I may have gotten one of these little antennas onto 40M but just can't recall right now. In any case, the smallest size uses thinner wire and can be easily extended between points in a hotel room, i.e. bathroom door and a curtain rod. The doublets are a little more forgiving than a vertical when it comes to indoor locations. Finally, for either polarization height continues to be everything for these limited space antennas.

Trusting this information will be helpful for our indoor and portable ops.
If anyone comes across the original "Ramada Radiator" article please
mention the 73 issue reference here on QRP-L.

Best regards,

de Dave, NF0R nf0r@slacc.com

Date: Fri, 17 Dec 1999 13:26:34 -0700 (MST)
From: Brian Mileschosky <n5zgt@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58307] Ham Radio for Kids Site - EXCELLENT IDEA.
Message-ID: <Pine.GS0.4.10.9912171258130.12200-100000@inago.swcp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I think this site would be an excellent resource for youth to
learn about Amateur Radio.

Let me tell you about myself. I was introduced to Amateur Radio
by my Grandfather (W5RMY, now SK) and Jeremy Miller KB5OMD, son of the
infamous Jay Miller, WA5WHN. I have considered Jay as my mentor since I
got my license when I was 12, and still do now at 20 years old.

For those of you who read Worldradio magazine, I have been the
Youth Forum columnist for 3 years, but recently gave it up so another
enthusiastic Amateur who is a bit younger can take over and continue
writing about Amateur Radio and its youth. This column is excellent for
promoting Amateur Radio to kids. But think about it: Worldradio, to the
best of my knowledge, is the ONLY Amateur Radio publication that has space
set aside for just the youth of our hobby. This is alarming to me. QST,
73 and CQ don't do this (correct me if I'm wrong, anybody). Especially QST
being the most read Amateur Radio magazine...why wasn't a youth column
included with the brand-new columns that were just unveiled (QRP, etc.)?

This is alarming since one can walk in any given Amateur Radio club meeting, and find hardly any youth who are present. Sure, there may be youth clubs here and there, but in the overall picture, youth in Amateur Radio hardly exist. And in reality, the older Amateur population (who makes up the majority of our hobby) is sooner or later going to "SK" (except for those who are 29 forever of course), and there will be just a handful of the people who will be the future of our hobby left -- the youth who will determine if Amateur radio will fly or crash into the ground. And right now that hand-full is very small.

Yes, the ARRL can fight all the band threat battles and petition the FCC to do this and that, while proudly saying it is securing Amateur Radio for the future (don't get me wrong, they are), but all of their efforts are MEANINGLESS, unless they secure the future community of our hobby first, that being the youth. And I've told this to the faces of Rod Stafford (ARRL President), Walt Stinson (Rocky Mtn Vice Dir) and other ARRL officers when they put on a forum at the Albuquerque Hamfest. Their only response was "we're looking into that." I know they can't drop everything and "just do it," but I seriously have doubts anything will happen. And I find it fascinating that regular Amateurs, like you and me, are taking it upon themselves to do their part in promoting Ham Radio to kids, especially when no larger-scale organizations or magazines are around to assist.

So I must say that this new website will be extremely valuable in promoting our hobby to the future of Amateur Radio - the Youth. My compliments! Let me know what I can do.

72 and Happy Holidays,
Brian, N5ZGT
Albuquerque, NM
<http://www.unm.edu/~brianm> <-- link to Amateur Radio page.
Check it out.

Date: Fri, 17 Dec 1999 16:00:35 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [58308] Re: Receivers: CW Filters, More Comments from the Doctor
Message-ID: <3.0.32.19991217155749.00713dbc@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thomas AC7A wrote
>
>A while back I followed the audio filter thread on the Elecraft reflector.

Wayne

>and Eric were soliciting inputs from K2 users on what they would like to see
>from the yet-to-be-released audio filter. Many stated their filter wishes,
but
>the point I thought was interesting is Elecraft stated that the filter
would be
>RC Active filters and not SCAF or DSP based. I believe the issue had to do
with
>studies on the SNR of such filters (snip)

Thomas and Gang,

I looked at the EleCraft Archives for 1998-1999 and couldn't find
the discussion. Could someone point me to it?

One reason I was curious about the subject was I had just read a
discussion by the Weak Signal Guys and they didn't have any bad
things to say about DSPs.

So now I'm confused because a DSP seems like such an elegant
way to filter audio. Any advice would be appreciated.

73 Pete NV4V

Date: Fri, 17 Dec 1999 15:15:38 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Brian Mileschosky <n5zgt@swcp.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [58309] HR4K: Re: Ham Radio for Kids Site - EXCELLENT IDEA.
Message-ID: <Pine.OSF.4.20.9912171457040.4146-100000@duke.usask.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

On Fri, 17 Dec 1999, Brian Mileschosky wrote:

> Hi All,
>
> I think this site would be an excellent resource for youth to
> learn about Amateur Radio.

Thanks.

> (except for those who are 29 forever of course), and there will be just a
> handful of the people who will be the future of our hobby left -- the
> youth who will determine if Amateur radio will fly or crash into the
> ground. And right now that hand-full is very small.

Sad but true.

> Yes, the ARRL can fight all the band threat battles and petition

> the FCC to do this and that, while proudly saying it is securing
> Amateur Radio for the future (don't get me wrong, they are), but all of
> their efforts are MEANINGLESS, unless they secure the future community of
> our hobby first, that being the youth. And I've told this to the faces

Again, sad but true.

> So I must say that this new website will be extremely valuable in
> promoting our hobby to the future of Amateur Radio - the Youth. My
> compliments! Let me know what I can do.

Well, since you offered...

I think your experience as a PUBLISHED AUTHOR would be very valuable. Would you consider submitting articles? Proofreading articles? I saw your article called "What is Amateur Radio?" I would like something like that on my web site but I would like the scope to be a bit more international.

As the web site becomes more developed I am planning to create a list of articles I would like on the site. Would you consider authoring some of the articles? Can you draw illustrations?

The more I think about the site, the more I think we could include. For example in the "For Teachers" section perhaps we could come up with some Science Fair projects.

Brian.

```
+-----+
| Brian Buydens,           Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca           http://duke.usask.ca/~buydens |
| VE5RDV                                     |
+-----+
| Who is General Failure and why is he trying to read my hard drive?      |
+-----+
```

Date: Fri, 17 Dec 1999 13:36:15 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [58310] Re: Receivers: CW Filters, More Comments from the Doctor

Message-ID: <01bf48d6\$bf1a5b40\$6eda9c9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom

As one of the many who offered filter suggestions to Wayne, I recall one of his main constraints was the physical space that had been reserved for the audio filter. I believe he feels that only a simple analog filter can be fit in that space using non-SMD components.
73, Bob N6WG

Date: Fri, 17 Dec 1999 13:40:51 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [58311] Re: 300 Ohm transmission lines
Message-ID: <01bf48d7\$639179b0\$6eda9c9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Chas

I use 300-ohm TV twinlead on all my antennas with no apparent ill effects. Yes, when wet, I have to tweak my antenna tuner to compensate, but I go on and have contacts on a regular basis. The ladder line version might be more attractive if you live in an area with a lot of rain and/or wind. I would think a bigger consideration would be the gauge of the wire used in the feedline. I've seen very wimpy twinlead, and some you could tow a car with.
73, Bob N6WG

Date: Fri, 17 Dec 1999 13:45:57 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [58312] Re: CONTEST: QRP Calendar This Weekend
Message-ID: <01bf48d8\$1a24ac10\$6eda9c9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Ken

Thanks much for posting these QRP contest notes.

It helps me keep up with what's happening.

73, Bob N6WG

Date: Fri, 17 Dec 1999 13:54:45 -0800
From: "Harsha K" <bravado@angelfire.com>
To: qrp-1@Lehigh.EDU
Subject: [58313] Re: DSW v/s Emtech.Any ideas ?
Message-ID: <JHMBKCFKGFMAAAA@angelfire.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

Hi,

I'm thinking of building a monoband (40m/20m)

QRP transceiver from a kit. I'm rather in a dilemma to make a choice between
DSW20/DSW40

(from SmallWonderLabs) and Emtech NW40/20. Any ideas/comments/suggestions will be
greatly appreciated.

Thanks,
Harsha

Angelfire for your free web-based e-mail. <http://www.angelfire.com>

Date: Fri, 17 Dec 1999 16:51:32 -0500
From: "Stephen D. Cohen" <scohen@xps.xybion.com>
To: qrp-1@lehigh.edu
Subject: [58314] Force 12 ZR-3
Message-ID: <199912172206.RAA231144@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Gang,

Does anyone here have experience using the Force 12 ZR-3 vertical dipole antenna in their QRP endeavors? It got a great review in QST, but then so does almost everything (not condemnation, just observation).

I would love to hear your experiences with this antenna.

73,

Steve, N30IE

Steve Cohen, N30IE
3168 Sandy Ridge Drive
Clearwater, FLA 33761

Date: Fri, 17 Dec 1999 15:36:54 -0700
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: n5zgt@swcp.com, buydens@duke.usask.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [58315] Re: Ham Radio for Kids Site - EXCELLENT IDEA.
Message-ID: <385ABB06.5D2A35B6@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brian Mileschosky wrote:

> Worldradio, to the best of my knowledge, is the ONLY Amateur Radio
> publication that has space set aside for just the youth of our hobby. This
> is alarming to me. QST, 73 and CQ don't do this (correct me if I'm wrong,
> anybody). Especially QST being the most read Amateur Radio magazine...why
> wasn't a youth column included with the brand-new columns that were just
> unveiled (QRP, etc.)?

> This is alarming since one can walk in any given Amateur Radio
> club meeting, and find hardly any youth who are present. Sure, there may
> be youth clubs here and there, but in the overall picture, youth in
> Amateur Radio hardly exist. And in reality, the older Amateur population
> (who makes up the majority of or hobby) is sooner or later going to "SK"

> (except for those who are 29 forever of course), and there will be just a
> handful of the people who will be the future of our hobby left -- the
> youth who will determine if Amateur radio will fly or crash into the
> ground. And right now that hand-full is very small.

The average age of amateurs is 57 and climbing.

> Yes, the ARRL can fight all the band threat battles and petition
> the FCC to do this and that, while proudly saying it is securing
> Amateur Radio for the future (don't get me wrong, they are), but all of
> their efforts are MEANINGLESS, unless they secure the future community of
> our hobby first, that being the youth.

If the numbers decline we will, eventually, lose band space. The best thing that could happen is for the bands to become much more crowded than they are at this time. This would help insure against loss of band space to other private and government institutions. It would also force experimenters to develop new forms of narrow band communication. PSK31 is a good example of something new, and there are ways to narrow the required voice bandwidth, also.

> So I must say that this new website will be extremely valuable in
> promoting our hobby to the future of Amateur Radio - the Youth. My
> compliments! Let me know what I can do.

This website is a great idea. Anyone who volunteers should be able to help.

And while we are on the subject. This is to both Brians and others who have offered to help. I would like to put the ElmerRadio AM Rgen on the site. I will start working on a set of smaller files and see if I can't come up with some way to keep the required memory space reasonable.

The second ElmerRadio project is progressing. I am ready to start breadboarding the ElmerPixie, a totally self-contained 80 Meter transceiver, complete with key. This is going to be a cool project. Stay tuned. I'll try to give an update after the holidays.

Bruce kk7zz

Date: Fri, 17 Dec 1999 18:05:21 EST
From: JFStrain@aol.com
To: qrp-l@lehigh.edu
Subject: [58316] Re: Short Portable Antennas/Ramada Radiator
Message-ID: <0.85e803e2.258c1bb1@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I saved the original article on the "Ramada Radiator" but it is at the home QTH and I am not. If no one else has posted the issue and page where it was originally published by the time I am able to locate it, I will post it here on QRP-L.

72/73,
John W9MIU
QRP-L 1088 QRP-ARCI 8173
Zombie 250 ARS 571
10-10 71063

End of QRP-L Digest 1672

